クロロホロムのラット及びマウスを用いた 吸入によるがん原性試験報告書

APPENDIX

 $(A1\sim C4)$

がん原性試験 NO. 0115;0116

APPENDIXES

APPENDIX	A 1	CLINICAL OBSERVATION: SUMMARY, RAT : MALE (2 - YEAR STUDY)
APPENDIX	A 2	CLINICAL OBSERVATION: SUMMARY, RAT : FEMALE (2 - YEAR STUDY)
APPENDIX	A 3	CLINICAL OBSERVATION: SUMMARY, MOUSE: MALE (2 - YEAR STUDY)
APPENDIX	A 4	CLINICAL OBSERVATION: SUMMARY, MOUSE: FEMALE (2 - YEAR STUDY)
APPENDIX	B 1	BODY WEIGHT CHANGES: SUMMARY, RAT: MALE (2 - YEAR STUDY)
APPENDIX	B 2	BODY WEIGHT CHANGES: SUMMARY, RAT: FEMALE (2 - YEAR STUDY)
APPENDIX	В 3	BODY WEIGHT CHANGES: SUMMARY, MOUSE: MALE (2 - YEAR STUDY)
APPENDIX	B 4	BODY WEIGHT CHANGES: SUMMARY, MOUSE: FEMALE (2 - YEAR STUDY)
APPENDIX	C 1	FOOD CONSUMPTION CHANGES: SUMMARY, RAT: MALE (2 - YEAR STUDY)
APPENDIX	C 2	FOOD CONSUMPTION CHANGES: SUMMARY, RAT: FEMALE (2 - YEAR STUDY)
APPENDIX	С 3	FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: MALE (2 - YEAR STUDY)
APPENDIX	C 4	FOOD CONSUMPTION CHANGES: SUMMARY, MOUSE: FEMALE (2 - YEAR STUDY)

APPENDIX A 1

CLINICAL OBSERVATION: SUMMARY, RAT: MALE

(2-YEAR STUDY)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0115 ANIMAL : RAT F344 REPORT TYPE : A1 104

SEX : MALE

PAGE: 1

linical sign	Group Name	Adminis	stration We	eek-day			•								
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
ari a arrui	0	٥	•	0	0	•		0	0	0	0	•	•	٥	٥
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	90 ppm .	0	0	0	0	0	U	U	U	Ü	U	U	U	U	U
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	Ö	Ō	0	0	Ö	Ō
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
	30 ppm	0	0	0	0	0	Ö	0	Ö	Ö	Ŏ	Ö	0	0	Ö
	90 ppm	Ō	0	0	0	Ö	ŏ	Ö	Ö	Ô	Ö	Ö	0	ő	0
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ö	Ö	0	0	Ö	Ö	Ö	0	Ö
	30 ppm	0	0	0	0	Ö	0	Ö	Ô	0	Ö	Ö	0	Õ	ő
	90 ppm	Ŏ	0	0	Ŏ	Ö	Ö	Õ	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 3

Clinical sign	Group Name	Admini	istration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	10 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
· · · · · · · · · · · · · · · · · · ·		1	1	1	1	1	1	1	1	1	1	1	1	1	1
N I my															
DEATH	Control	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0 .	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	1
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0 -	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NUNCHBACK POSITION	Control	0	0	0	0	0	0	0	1	1	1	0	0	0	0
	10 ppm	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 5

Clinical sign	Group Name	Admini	stration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	10 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
ORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	90 ppm	0	0	0	0	0	0	0	Ō	0	Ō	Ō	0	ŏ	0
HUNCHBACK POSITION	Control	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	Ō	0	0	1	Ŏ	Ö	1	0	Ö	Ô
ATAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Õ	Ō	0	Ô	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day										*	
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	10 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	30 ppm	0	0	0	0	0	0	0	0	1	2	2	2	3	3
	90 ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	2
ORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	30 ppm	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	1	0	0	0	0	0	0	0	1	1	1	1
	10 ppm	0	0	1	0	0	0	0	0	1	1	0	2	1	2
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	istration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	. 1	1	1	1	1	1	1	1
											,				
DEATH	Control	4	4	4	4	4	4	4	4	4	4	4	5	5	5
	10 ppm	3	3	3	3	3	3	3	3	3	4	4	4	4	4
	30 ppm	3	3	3	3	3	3	4	4	5	5	5	5	5	5
	90 ppm	2	3	3	3	3	3	3	3	3	3	3	3	3	3
MORIBUND SACRIFICE	Control	2	2	3	3	3	3	4	4	4	4	5	5	5	6
	10 ppm	1	2	2	2	2	2	2	2	2	2	2	2	3	3
	30 ppm	2	2	2	2	2	2	2	2	3	4	4	4	4	5
	90 ppm	0	2	2	2	2	2	2	3	3 .	3	3	. 3	3	3
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	1	1	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	Õ	ī	0	0
	30 ppm	. 0	0	0	0	1	1	1	1	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	90 ppm	0	0	0	0	0	0	0 -	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
NUNCHBACK POSITION	Control	1 .	1	1	0	1	1	1	1	1	1	0	0	0	0
	10 ppm	1	0	0	0	0	ĩ	1	1	1	Ô	0	0	0	0
	30 ppm	0	0	0	0	0	Ō	0	1	1	Ö	1	1	1	0
	90 ppm	2	1	1	0	1	1	1	ō	Ō	Ō	0	Ô	Ô	2
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ö	Ö	Ö	0	0	0	0	Õ	1	0	Ő
	30 ppm	0	0	1	0	1	ì	1	1	1	0	Ö	0	0	ő
	90 ppm	0	0	Õ	Ō	0	0	Ō	0	0	Ö	0	0	Õ	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day								
		977	98-7	99-7	100-7	101-7	102-7	103-7	104-7		•	
		1	1	1	1	1	1	1	1			
DEATH	Control	5	5	6	6	7	7	7	8			
	10 ppm	4	4	5	5	5	5	5	5			
	30 ppm	5	5	5	6	6	6	6	6			
	90 ppm	4	4	4	4	4	5	5	6			
MORIBUND SACRIFICE	Control	7	7	9	11	13	15	15	15			
	10 ppm	3	3	3	4	6	6	6	6			
	30 ppm	5	5	5	5	6	7	7	7			
	90 ppm	4	4	4	4	4	4	4	6			*
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	1	1	1	1	0			
	10 ppm	. 0	0	0	0	0	0	0	0			
	30 ppm	0	0	0	0	0	0	0	0			
	90 ppm	0	0	0	0	0	1	0	0			
PRONE	Control	0	0	0	0	0	0	0	0			
	10 ppm	0	0	0	0	0	0	0	0			
	30 ppm	0	0	0	0	0	0	0	0			
	90 ppm	0	0	0	0	0	0	0	0			
LATERAL	Control	0	0	0	1	0	0	0	0			
	10 ppm	0	0	1	0	0	0	0	0			
•	30 ppm	0	0	0	0	0	0	0	0			
	90 ppm	0	0	0	0	0	0	0	0			
IUNCHBACK POSITION	Control	1	1	0	2	2	1	1	0			
	10 ppm	0	0	0	0	0	0	1	1			
	30 ppm	0	0	0	0	0	0	0	1			
	90 ppm	0	0	0	0	0	1	1	2			
ATAXIC GAIT	Control	0	0	0	0	0	1	0	0			
	10 ppm	0	0	0	0	0	0	0	0			
	30 ppm	0	0	0	0	0	0	0	0			
	mqq 08	0	0	0	0	0	0	0	0			

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Hinical sign	Group Name	Adminis	stration W	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
NIDAI NIMTO GATI	_ : .	_			_								_		
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 mqq 08	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
OSS OF HAIR	Contral	0	0	0	0	0	0	1	1	1	0	0	0	0	0
	10 ppm	0	0	0	1	1	1	0	0	0	0	0	0	1	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 10

Clinical sign	Group Name	Admini	stration W	eek-day							·				
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
	***	1 .	1	1	1	1	1	1	1	1	1	1	1	1	1
ARALYTIC GAIT	Control	. 0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DTATING	Control	.0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	.0	0	0
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 -	1	0	0	0	0	1	0	0	0
OSS OF HAIR	Control	0	0	0	0	0	. 0	0	0	0	0	0	1	1	0
	10 ppm	1	1	0	0	0	0	0	0	0	1	0	1	1	1
	30 ppm	1	2	2	5	4	4	4	4	6	5	5	6	1	4
	90 ppm	0	0	0	1	2	0	3	3	1	4	3	4	0	2
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 11

Clinical sign	Group Name	Admin	istration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Cantrol	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0
	30 ppm	ő	Ô	ő	Ö	ő	0	Õ	Ő	0	0	0	0	0	0
	90 ppm	0	Ö	0	0	0	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö	ŏ
OTATING	Control	0	0	0	0	0	0	0	0.	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	, 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	Ó	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	3	0	0	0	0	0	0	0	0	0
*	30 ppm	0	0	0	0	0	2	0	0	0	0	0	1	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	1	1	0	1	1
OSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	0	1	1	1	1	1	0	1	1	2
	30 ppm	4	3	1	4	5	1	5	6	0	6	5	0	5	6
	90 ppm	0	1	0	0	1	0	3	1	0	3	3	1	4	2
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration W	Veek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ARALYTIC GAIT	Control	0	0	0	0	^	^	٥	٨			•	•	•	
AMALITIC UNII	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0		0			-	-	-	•	0	0
	• • • • • • • • • • • • • • • • • • • •	0	0	0	0	0	0	0	0 1	0	0	0	0	0	0
	90 ppm	U	v	U	V	U	U	1	1	1	1	1	1	1	1
OTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	1	1	1	0	0	0	0
	10 ppm	0	0	Ö	Ö	0	Ö	Ö	Ô	0	Ô	Ô	Ö	0	0
	30 ppm	. 0	Ŏ	Ö	Ő	0	0	ŏ	Ö	0	0	Ö	0	0	Ö
	90 ppm	0	0	0	0	Ö	Ö	0	1	1	1	1	1	; 1	1
OILED	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
701860	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	1	1	0	0	1	1	1	1
	ov ppili	v	V	V	v	v	V	1	1	V	V	1	1	1	1
ILOERECTION	Control	0	0	0	0	1	1	2	2	1	1	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	1	0	0	0	1	0	0	0	0
	90 ppm	1	0	0	0	1	1	2	1	1	1	1	1	1	1
OSS OF HAIR	Control	0	0	0	2	1	1	1	1	3	2	1	1	1	1
	10 ppm	2	2	2	2	I	2	2	0	2	2	2	2	2	1
	30 ppm	0	6	6	15	0	5	4	6	5	6	6	<u>2</u> 5	3	4
	90 ppm	1	5	5	10	1	7	5	1	3	3	5	3	3	6
	ov ppili	*	Ü	U	10	ī	•	J	1	J	J	J	3	J	O
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö
	90 ppm	0	0	0	0	0	0	0	Ō	0	0	0	0	Ō	Ö

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	istration W	eek-dav											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	. 0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	1	0	0	1	. 0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
e ·	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	1	0	1	0	0	0
LOSS OF HAIR	Control	0	0	0	1	1	1	0	0	3	1	4	3	3	3
	10 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	30 ppm	6	8	1	5	6	5	5	6	6	5	7	8	9	9
	90 ppm	3	1	1	4	2	2	2	3	2	2	3	3	3	3
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	istration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		13 1101011			•										
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	30 ppm	1	0	0	0	0	0	0	0	0	0	0	Ō	Ō	0
	90 ppm	0	0	Ō	0	0	0	0	0	0	0	0	0	0	0
VASTING	Control	0	0	0	0	0	0	0	0	0	1	0	0	1	1
	10 ppm	0	Ö	0	0	0	ő	Ŏ	Ŏ	1	î	Ö	2	1	2
	30 ppm	. 0	0	0	Õ	0	0	1	Ŏ	1	0	Ö	0	Ô	0
	90 ppm	0	Ō	Ö	0	0	Ö	0	0	0	Ö	0	ő	1	1
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	1 .	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	0
	mqq 08	1	Ô	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	Ö	0	Ö	Ö	0	Ö	Ö	0	Ö	Ö	Ö	Ő	Ö
PILOERECTION	Contral	1	0	0	1	1	. 1	1	2	I	2	2	2	1	2
1205MEOTTON	10 ppm	0	0	0	2	3	Ô	0	2	2	1	1	1	2	2
	30 ppm	Ŏ	1	0	1	0	0	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
OCC OF WALE						_	_		_			_		_	_
OSS OF HAIR	Control	1	2	2	3	3	3	3	3	3	3	2	1	2	2
	10 ppm	2	3	3	3	3	3	2	2	1	2	3	2	2	1
	30 ppm	9	8	8	8	7	6	6	7	8	7	7	4	5	7
	90 ppm	3	3	3	3	3	4	5	5	3	4	4	4	4	2
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 15

Clinical sign	Group Name	Admin	istration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT			_												
PARALITIC GAIL	Control	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	. 0	0
VASTING	Control	2	2	2	0	2	3	2	2	2	2	1	1	1	3
	10 ppm	1	0	0	0	0	1	1	1	1	1	0	0	0	0
	30 ppm	. 0	Ô	0	0	0	Ô	Ô	1	ī	1	1	1	1	0
	mqq 08	3	1	1	Ö	1	1	1	Ô	0	Ô	Ô	0	0	2
SOILED	Control	1	1	1	0	1	1	1	1	1	1	1	1	2	1
	10 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	1	1
	mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	Õ	Ö	0	Ö	0	0	0	0	0	0	0	0	0
NI OFFICERION														-	
PILOERECTION	Control	2	2	2	0	2	2	2	2	2	2	1	2	2	3
	10 ppm	1	0	0	0	1	1	1	1	1	0	1	2	1	1
*	30 ppm	0	0	1	0	2	3	2	2	1	0	1	1	1	0
	90 ppm	3	2	1	0	1	1,	1	0	0	0	0	0	0	3
OSS OF HAIR	Control	4	4	5	0	4	4	4	4	3	2	2	2	2	2
	10 ppm	1	1	2	0	3	3	3	3	3	3	3	2	2	2
	30 ppm	7	7	8	0	9	9	8	8	7	5	5	5	7	6
	90 ppm	4	2	3	0	3	3	2	2	3	2	3	4	5	5
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	0	0	0	0	0	.0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration	Week-day _						
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	1	
RALYTIC GAIT	Control	,	1	0					0	
RALITIC GAIL	Control	1	1 0	2	1	1	1	1	2	
	10 ppm	0		0	0	0	1	1	1	
	30 ppm	0	0	0	1	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
DTATING	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
ASTING	Control	3	3	2	4	3	3	2	1	
	10 ppm	. 0	0	0	0	0	1	1	1	
	30 ppm	0	0	0	0	0	0	0	1	
	90 ppm	0	0	0	0	0	1	1	2	
DILED	Control	1	1	1	1	1	2	1	1	
	10 ppm	1	1	0	0	0	0	0	0	
	30 ppm	0	0	0	1	0	0	0	0	
	90 ppm	0	0	0	0	0	1	0	0	
ILOERECTION	Control	3	4	5	4	5	3	2	1	
	10 ppm	2	2	3	2	1	1	1	1	
	30 ppm	0	0	0	1	2	1	1	2	
	90 ppm	1	1	0	1	2	3	3	3	
OSS OF HAIR	Cantral	1	2	2	2	3	3	3	3	
	10 ppm	2	2	2	1	1	2	2	2	
	30 ppm	6	6	6	5	5	5	5	4	
	90 ppm	5	5	5	5	4	4	4	4	
ROG BELLY	Control	0	0	0	0	0	0	0	0	
•	10 ppm	Ö	Ö	0	ő	Ö	0	0	0	
	30 ppm	Ö	Ô	Ö	0	1	0	0	Ŏ	
	90 ppm	Ö	Ö	Õ	0	0	Ö	0	Ö	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 17

Clinical sign	Group Name	Adminis	stration We	ek-day						_					
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	90 ppm	0	0	0	0	0	0	0	0	.0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	1	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0 .
	10 ppm	0	0	0	0	0	0	0	0	Ó	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0 .	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATARACT	Control	0	0	0 .	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	Ō	0	0	0	Ö	0	0	Õ
	90 ppm	0	0	0	0	0	0	0	Ö	Ö	0	. 0	Ö	Ö	Ö
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	0
	90 ppm	0	0	Ô	Ö	0	0	0	0	Ô	Ŏ	Ô	Ö	Ö	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRYMATION	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	0	0	0	2	2	2	3	3	2	2	2	3	3	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0 -	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	Ō	0	0	Ŏ	Ö	0
	30 ppm	0	0	0	0	0	0	0	Ö	Ö	0	Ŏ	Ö	Ô	0
	90 ppm	0	0	0	Ō	Ō	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ŏ
CORNEAL OPACITY	Control	2	2	2	2	2	2	3	3	2	2	1	3	3	2
	10 ppm	0	1	0	0	0	0	Ō	ō	0	0	Ô	0	0	0
	30 ppm	0	0	0	Ö	0	0	0	0	Ŏ	0	. 0	Ŏ	Ö	0
	90 ppm	Ö	0	Ö	Ö	0	0	Ö	Ő	0	0	0	Ô	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 19

Clinical sign	Group Name	Admini	stration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
ACRYMATION	Control	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	. 30 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	90 ppm	0	1	0 .	0	0	0	0	0	. 0	0	0	0	0	0
UM	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10 ppm	. 0	0	0	0	0	1	0	0	0	0	0 -	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 -	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	2	2	2	2	2	2	2	2	1	1	1	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	1	0	1	1	1	1	0	0	0
	90 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
ATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	0
ORNEAL OPACITY	Control	2	2	2	2	2	2	2	2	1	1	1	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	0	1	1	1	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA		•		•			•		_						
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0.	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	U	0	0	0	0	1	1	1	1	1	1	1	1
ACRYMATION	Control	0	0	0	0	0-	1	1	0	1	0	0	0	1	1
	10 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	. 0	ō	0	Ö	Ö	Ô	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	1	0	1	1	1
GUM	Control	0	0	0	0	1	3	0	2	2	1	0	0	1	1
	10 ppm	. 0	0	Ō	0	0	0	Õ	0	0	0	0	0	Ô	Ô
	30 ppm	. 0	0	0	Ö	Ŏ	Ŏ	0	Ŏ	0	1	Ö	0	0	1
	90 ppm	0	0	0	Ō	Ō	0	1	0	0	î	2	0	1	Ō
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	Ö	0	Ŏ	0	0	0	0	Õ	0
	30 ppm	0	0	0	0	Ö	Ö	Ö	Ö	0	Ö	0	0	Ö	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	1	1	0	2	1	2	1	4	3	3	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CATARACT	Control	0 .	0	0	1	0	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	
	90 ppm	1	1	1	1	1	. 1	1	1	1	1	1	1	1	1
	iliqq ve	1	1	1	1	1	. 1	i	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	1	1	0	2	1	2	0	3	3	2	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
· · · · · · · · · · · · · · · · · · ·															
OILED PERI GENITALIA	Control	0	0	0	0	0	1	0	0 .	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	.0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	1	2	0	0	0	1	1	0	1	1	0	0
	10 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	2
	90 mag	1	0	0	0	0	0	0	0	0	0	0	0	0	0
UM	Control	0	0	1	1	0	1	0	0	0	0	0	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	1	1	0	3
	90 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
YE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	10 ppm	1	2	2	2	2	2	2	2	2	1	1	1	1	1
	30 ppm	1	1	1	3	2	3	3	3	2	3	3	3	2	3
	90 ppm	1	1	1	1	1	1	1	1	2	2	2	2	1	1
ATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ORNEAL OPACITY	Control	1	1	1	1	2	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	2	1	2	2	2	1	2	2	2	1	2
	90 ppm	0	0	0	0	0	0	0	0	1	1	1	1	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 22

Clinical sign	Group Name	Admin	istration W	Veek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI GENITALIA	Control	0	0	0	0	1	1	1	1	2	2	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
LACRYMATION	Control	1	1	0	0	1	1	0	0	1	0	0	1	1	1
	10 ppm	0	0	0	0	0	1	2	1	1	1	0	2	0	1
	30 ppm	I	1	0	0	0	0	2	0	2	2	0	3	4	2
	maa 0e	0	1	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	1	1	1	1	1	0	0	1	1	1	1	1	1	0
	10 ppm	. 0	0	1	0	1	0	0	0	0	2	0	2	1	0
	30 ppm	2	0	0	0	0	2	3	0	0	0	3	0	0	3
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	1	1	0-	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	2	2	2	2	3	3	3	3	4	4	4	4	4	4
	10 ppm	1	1	2	2	2	2	2	2	2	2	2	2	2	2
· ·	30 ppm	4	3	3	3	3	3	3	3	3	2	3	3	3	3
	90 ppm	1	1	1	1	2	2	2	2	3	3	3	3	5	3
CATARACT	Control	1	1	1	. 1	1	1	1	1	1	1	1	1	1	2
	10 ppm	1	î	1	î	î	1	1	1	1	î	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	î	1	1	1	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	. 1	1	1	1
CORNEAL OPACITY	Control	1	1	1	1	2	2	2	2	3	3	3	3	3	3
	10 ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	2	2	2	2	2	2	2	2	2	1	2	2	2	_
	mad 06	0	0	0	0	1	1	1	1	2	2	2	2	4	2 2
	an hhiii	V	v	v	V	1	1	1	1	4	۷.	4	4	4	L

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 23

		84-7	istration W 85–7												
			00 1	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
			-						1						
ILED PERI GENITALIA	Control	2	2	2	0	2	2	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	1	1 -	1	0	1	0	0
	30 ppm	0	1	0	0	1	0	0	0	0	0	0	0	0	0
	mqq 08	1	0	0	0	0	0	1	0	0	0	0	0	0	0
RYMATION	Contral	0	0	0	0	0	0	0	0	0	0	1	2	2	2
	10 ppm	1	1	0	0	0	0	1	1	2	0	1	3	2	1
	30 ppm	2	5	1	0	4	4	3	3	3	2	2	3	1	1
	90 ppm	1	0	0	0	0	0	0	Ō	0	0	0	0	Ō	0
4	Control	0	1	1	0	1	1	1	1	0	1	1	2	2	1
	10 ppm	1	0	0	0	0	0	1	2	1	1	0	1	1	1
	30 ppm	· 1	5	0	0	2	2	2	2	1	0	0	ō	0	0
	90 ppm	0	0	0	0	0	0	0	ō	ō	Ö	Ö	Ö	0	0
HEMORRHAGIC DISCHA	Control	0	0	1	0	2	1	1	1	0	0	0	0	0	0
	10 ppm	1	1	1	0	1	0	0	1	0	0	1	0	Ŏ	1
	30 ppm	0	0	ō	Õ	0	Ö	0	Ô	1	1	ō	0	1	ō
	90 ppm	0	0	0	0	Ö	0	0	Ö	Ô	Ō	Ö	Ö	0	Ö
E OPACITY	Control	4	4	4	0	4	5	7	7	7	7	7	6	6	9
	10 ppm	2	2	3	0	3	4	4	6	6	5	5	5	5	6
	30 ppm	3	4	3	0	3	3	3	3	4	4	4	4	4	4
	90 ppm	5	5	3	0	3	3	3	4	4	4	4	4	4	4
TARACT	Control	2	2	2	0	2	2	2	2	2	2	2	1	1	1
	10 ppm	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	ī	0	ī	1	1	1	1	1	1	1	1	1
	90 ppm	1	1	1	ő	1	1	1	î	1	1	1	1	1	1
NEAL OPACITY	Control	3	3	2	0	3	4	5	6	6	6	6	5	5	8
	10 ppm	1	1	2	0	2	3	3	5	5	4	4	4	4	5
	30 ppm	2	3	2	0	2	2	2	2	3	3	3	3	3	3
	90 ppm	4	4	2	0	2	2	2	3	3	3	3	3	3	3

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admin	istration W	leek-day								
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7			
		1	1	1	1	1	1	1.	1	 		
SOILED PERI GENITALIA	Control	0	0	,			•	•				
SOILED FERT GENTIALIA	Control	2	2	1	1	1	3	2	2			
	10 ppm	0	1	2	2	0	0	0	0			
	30 ppm	0	1	0	1	1	1	0	0			
	90 ppm	0	0	0	1	1	2	2	2			
LACRYMATION	Control	2	1	1	2	1	1	2	1			
	10 ppm	1	2	1	0	0	0	0	0			
	30 ppm	1	2	2	3	2	3	2	1			
	90 ppm	0	0	1	0	1	1	0	0			
GUM	Control	1	1	2	2	1	2	1	2			
	10 ppm	1	1	0	0	0	1	î	0			
	30 ppm	. 0	0	Ö	1	1	2	Ô	Ö			
	90 pm	0	0	0	ō	Ō	0	Ö	Ö			
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	1	0	0			
	10 ppm	1	Ö	1	0	0	0	0	1			
	30 ppm	0	0	0	. 0	0	0	1	1			
	90 ppm	0	Ö	0	0	0	Ő	0	0			
FUE ODICIMU				_		_						
EYE OPACITY	Control	8	8	7	9	7	9	8	10			
	10 ppm	6	6	6	5	5	5	5	6			
-	30 ppm	4	5	5	4	4	4	4	5			
	90 ppm	. 3	3	3	3	3	4	4	6			
CATARACT	Control	1	1	1	1	1	1	1	1			
	10 ppm	1	1	1	1	1	1	1	1			
	30 ppm	1	1	1	1	1	1	1	1			
	90 ppm	1	1	1	1	2	2	2	2			
CORNEAL OPACITY	Control	7	7	6	8	6	8	8	10			
	10 ppm	5	5	5	4	4	4	4	5			
	30 ppm	3	4	4	3	3	3	3	4			
	90 ppm	2	2	2	2	2	3	3	5			

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 25

Clinical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	. 1	1	1	1	1	1	1	1	1	1
ANTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SORE OF SOLE	Control	0	0	0	0	0	0	0	. 0	0	0	1	0	0	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	2	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	2	0
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

linical sign	Group Name	Admini	istration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TERIOS CHAMBER OPACITY	Control	0	•			•	•	•		•	•	_	•		
TERTOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10 ppm 30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	-	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E OF SOLE	Control	7	5	12	18	26	30	16	34	32	12	45	47	42	48
	10 ppm	3	8	7	16	20	15	32	35	20	3	46	47	34	45
	30 ppm	1	9	15	8	1	34	30	26	8	37	1	3	36	42
	90 ppm	6	15	18	7	7	26	25	23	13	37	1	4	35	45
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	0	0	Ö	0	0	Ö	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	90 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0
NORMAL GROWTH OF TEETH	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Ô	0	0	0	0
	30 ppm	0	0	Ō	0	0	0	Ö	Ö	0	Ŏ	Ö	Ŏ	Ŏ	Ŏ
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	Ô	Ŏ	. 0	0	0	0	Õ	Ö	Ö	Õ	0	Ŏ	0
**	30 ppm	Ö	0	0	Ö	0	0	0	0	Ö	Ö	Ŏ	0	Õ	0
	90 ppm	0	0	Ö	ŏ	0	0	Ö	0	Ö	Ö	Ö	ő	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ŏ	Ö	0	Ŏ	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Õ	0	0	0	0	0	ő	0	0	0	0	0	0	0
	oo ppiii	v	v	V	v	. •	v	v	v	v	v	U	V	v	J
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 27

	· //														
linical sign	Group Name		istration W												
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	^	•	•		•	•	•	•	•	٥
TERTOS CHAMBER OFACITI	Control 10 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	* * * *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	•	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
RE OF SOLE	Control	45	47	50	50	50	50	50	50	50	50	50	50	39	50
	10 ppm	46	41	48	47	48	47	50	47	49	49	49	49	49	50
	30 ppm	0	46	35	49	49	41	50	50	50	50	50	50	49	29
	90 ppm	5	46	41	45	40	41	47	50	46	49	50	46	49	10
FECT OF TEETH	Control·	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Õ	Ö	Ö	Ö	Ö	.0	0	0	0	1	0	0	0	0
	30 ppm	. 0	0	0	0	Ö	0	0	0	0	0	Ô	0	0	0
	90 ppm	0	0	Ö	0	Ö	0	Ö	0	Ö	0	0	Ö	Ö	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	0	0	Ŏ	Ŏ	0	Õ	0	0	0	0	0	0	0
	30 ppm	0	0	0	Ŏ	Ö	0	Ő	Ŏ	Ö	Ö	Õ	0	ő	0
	90 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ö	Ö
SE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	Ô	0	0	Ö	Ŏ	0	0	Ő	ő	0	0	0	0
-	30 ppm	0	0	0	0	0	Ő	0	0	0	0	0	0	0	0
	90 ppm	ő	1	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	1	1	1	ī	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	ov ppili	V	v	V	v	U	v	V	U	U	U	v	V	U	1
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 28

Clinical sign	Group Name	Admini	stration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51−7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NTERIOS CHAMBER OPACITY	Control	0	0	•		•	•	•	•	_					
WIEWIOS CHAMBER OFACITI	Control 10 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	30 ppm	0	0	0	-	•	0	0	0	0	0	0	0	0	0
		1		-	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	1	1	1	0	0	0	0	1	0	0	0	0
ORE OF SOLE	Control	48	48	47	48	48	47	48	47	46	47	46	46	46	45
	10 ppm	50	50	50	50	50	50	50	50	49	50	50	50	50	50
	30 ppm	50	49	49	48	50	50	3	50	50	50	50	50	50	50
	90 ppm	48	49	50	48	50	50	10	49	49	49	49	49	49	49
EFECT OF TEETH	Control	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	10 ppm	Ö	Ŏ	Ö	Ö	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	Ŏ	0	Ö	0	0	0	0	0	0	0	0	0
	90 ppm	ő	Ö	0	Ő	0	0	0	0	0	Ő	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	_	
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov ppiii	V	V	V	V		V	v	v	U	V	V	U	U	U
OSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTERNAL MASS	Control	0	0	0	2	3	3	3	4	4	4	3	2	2	1
	10 ppm	2	2	2	2	2	2	2	2	2	2	2	2	3	4
	30 ppm	0	1	1	1	0	1	1	1	0	0	1	2	3	3
	90 ppm	ő	î	Ô	2	0	Ô	0	0	0	0	0	0	0	0
	15400	*	-	*	-	•	v	v	v	v	v	v	v	v	U
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 29

Clinical sign	Group Name	Admin	istration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
<u> </u>		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORE OF SOLE	Control	46	46	46	46	46	46	45	45	45	45	45	45	45	45
	10 ppm	50	50	50	47	50	50	50	50	50	50	49	49	49	49
	30 ppm	49	49	49	47	49	49	49	48	49	49	49	48	49	49
	90 ppm	48	46	49	49	49	48	49	49	49	49	49	49	49	49
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Ô	. 0	0	Ō	Ō
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	90 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
OSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	2	4	5	5	4	3	7	7	6	7	7	8	8
	10 ppm	5	5	6	6	6	6	7	8	8	5	6	7	7	7
	30 ppm	4	3	5	6	6	7	6	8	7	7	7	8	8	8
	90 ppm	1	2	1	1	3	4	3	4	4	3	3	3	3	4
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	Ô	Ö	Ö	0	0	0	Ö	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ANTERIOS CHAMBER OPACITY	Control	^	•	•							_				
AWIERTOS CHAMBER OFACITI	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SORE OF SOLE	Control	44	45	45	45	45	45	45	45	45	45	44	43	42	44
	10 ppm	49	49	49	49	49	49	48	48	48	48	47	47	46	47
	30 ppm	49	48	48	46	48	48	48	48	48	46	46	46	45	44
	90 ppm	49	49	49	49	48	48	48	48	48	48	48	48	48	47
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	Ö	0	0	Ŏ	Ö	Ö
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	Ö	Ô
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ö	Ō	0	0	Ŏ	Ö	0	Ö	0
	30 ppm	1	0	0	0	0	0	Ô	0	Ô	0	Ô	Ö	0	Ö
	90 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	Ō	0
IOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	Ō	Ö	Ö	Ö	Ô	Ô	Ô	0	0	Ö
•	30 ppm	0	0	0	0	0	Õ	Ō	0	Ö	0	Ö	0	Ö	ő
	90 ppm	0	0	0	0	0	0	Ō	Ö	Ö	0	Ö	Ö	ŏ	0
EXTERNAL MASS	Control	7	7	9	5	5	4	5	5	- 5	4	6	7	8	9
	10 ppm	7	8	8	8	8	8	8	7	8	7	7	7	8	9
	30 ppm	8	7	5	7	8	9	9	9	. 9	8	8	8	9	11
	90 ppm	3	3	4	5	5	5	4	5	6	7	8	8	9	7
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	10 ppm	0	0	Ö	0	0	0	0	1	1	1	0	0	0	0
	30 ppm	Ö	0	ő	Ö	0	0	0	0	0	0	0	0	0	0
	90 ppm	ŏ	0	ő	0	0	0	0	0	0	0	0	1	1	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 31

inical sign	Group Name	Admin	istration W	leek-day						,					
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	. 1	1	1	1	1	1	1	1	1	1
TERIOS CHAMBER OPACITY	Control	0	0	1	. 0	0	0	1	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	Ô	Ō	0	0	0	0	Ö	Ö
	30 ppm	1	1	1	0	1	1	i	i	1	1	1	1	1	1
	90 ppm	0	0	0	0	ō	Ō	õ	Ô	0	0	Ô	Ō	Ō	0
RE OF SOLE	Control	44	44	43	0	43	43	42	42	42	42	41	40	40	39
	10 ppm	46	45	45	0	45	45	45	45	45	45	44	44	43	43
	30 ppm	45	45	45	0	45	45	43	44	42	41	40	41	41	40
	90 ppm	48	44	45	0	45	45	45	44	44	44	44	44	44	44
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	9	9	8	0	8	10	9	10	10	10	14	16	16	17
	10 ppm	8	7	8	0	7	8	8	10	9	9	8	8	8	9
	30 ppm	11	11	11	0	11	11	11	12	12	12	12	14	14	14
	90 ppm	7	8	8	0	8	8	8	9	9	10	10	10	12	13
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	9	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	2	2	1	1	1	1	1	1	0
	90 ppm	2	1	1	0	1	1	1	0	0	0	0	0	0	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 32

Clinical sign	Group Name	Admin	istration W	leek:-day _						
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	1	
INTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	1	1	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	•
ORE OF SOLE	Control	38	38	35	34	31	29	28	27	
	10 ppm	43	43	43	41	39	39	39	39	
	30 ppm	40	40	40	39	38	37	37	37	
	90 ppm	42	42	42	42	42	41	41	39	
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	
	10 ppm	. 0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	1	1	
	90 ppm	0	0	0	0	0	0	0	. , 0	
OSE HEMORRHAGIC DISCHA	Control	0	0	Ð	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
-	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
XTERNAL MASS	Control	17	18	16	17	15	15	15	14	
	10 ppm	12	12	12	14	13	15	15	15	
	30 ppm	14	14	14	14	16	14	15	17	
	90 ppm	13	13	13	12	13	12	13	12	
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	1	1	0	1	1	0	
	30 ppm	0	0	0	0	0	0	1	2	
	90 ppm	0	0	0	2	3	2	2	2	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini:	stration W	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	. 30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Control	0 -	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
,	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ö	0	Ö	Ō	0	0	Õ	Ŏ	Ö
.•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 pam	0	0	0	0	0	0	0	Ô	Ö	Ö	Ö	0	0	0
	90 ppm	0	0	0	Ö	Ö	0	0	Ö	Ö	Ö	ő	0	0	0
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ö	0	0	Ö	0	Ö	Ö	0	0	0	Ŏ
	30 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö	0
	90 ppm	0	0	0	0	0	0	0	Ŏ	Ö	. 0	0	0	Ŏ	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 34

Clinical sign	Group Name	Admini	stration W	eek-day _											•
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1. NOSE	Control	0	0	0	0	٥	0	٥	0	٥	0	٥	٥	•	٨
1.NOSL	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	-	0		0	-	0
	90 ppm	0	0	0			0		0	0	-	0	0	0	0
	av þþill	U	U	U	0	0	U	0	0	0	0	0	0	0	0
I.PERI MOUTH	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	10 ppm	. 0	0	0	0	ő	Ô	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	Ö	0	Ŏ	Ö	Ö	0	0	0	0	0	0	0
	mqq 08	0	0	Ŏ	Ö	Ö	Ö	0	Ö	Ö	Ö	Ö	Ö	ő	0
I.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	Ö	0	Ö	0	0	Ö	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	0	Ö	Ö	0	0	0	Ő	0	0	Ö	0
1.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	^
III EMI EMM	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
,	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	-
	av þhill	V	U	U	U	v	U	U	V	V	V	V	U	0	0
I.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Õ	Ŏ	0	Ö	Ö	0	0	0	0	0	0
	30 ppm	0	0	0	0	Ŏ	Ö	Ŏ	0	Ö	0	Ŏ	0	Ô	Ö
	90 ppm	Ô	0	0 -		0	0	0	0	0	ő	0	0	. 0	ő

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 35

linical sign	Group Name	Admini	stration W												
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
·		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NOSE	Contral	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
NODE	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	ŏ	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	. Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MANDIBULAR	Control	0	0	0	0	0	0	0	0	, 0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	. 0	0	0	0	0	.0	0	0	0	0	0	0	0
PERI EAR	Control	0	0	ò	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 36

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	90 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Cantral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	Ô	0	0
	90 ppm	0	0	0	Ö	.0	0	0	0	0	Ö	ō	Ö	Ô	0
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	1	1	1	1	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 37

Clinical sign	Group Name	Admini	stration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
1.NOSE	Control	0	. 0	1	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mad 08	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	2	1	2	2	2	2	2	2	2	2	2	2	2	. 2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0 .	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IV.	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0 ·	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	.0	0	0	0	0	0
	30 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 38

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7.	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.NOSE	Canadiana	٥	0	0	^	•	٥	•	•	٥	٥	0	۰	٥	٥
.NOE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	2	2	2	2	2	3	3	3	3	3	3	3	3	3
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ö	Ö	Ö	Õ	Ŏ	Ö	ŏ	ŏ	Ŏ	0	Ö	Ő	ŏ
	30 ppm	. 0	0	0	Ö	Ō	Ö	Ö	Ŏ	Ö	Ö	0	0	0	Ö
	90 ppm	0	0	0	0	0	0	0	0	Ö	Ö	0	0	0	1
.EAR	Control	0	0	1	1	1	1	1	0	0	0	0	0	1	1
	10 ppm	0	0	0	0	Ô	0	0	0	0	0	0	Ŏ	0	Ō
	30 ppm	Ö	Ŏ	ő	0	0	0	0	0	0	0	0	Ő	. 0	1
	90 ppm	Ö	Ö	Ö	0	0	0	0	Ö	Ö	Ö	Ö	0	Ö	0
I.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ö	Ö	Ő	Ö	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0	0	0
. NECK	Contral	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	10 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mad 06	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	ov þþill	V	V	V	v	V	U	U	v	V	1	1	1	1	1
.FORLIMB	Control	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	10 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 39

linical sign	Group Name	Admin	stration W	leek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	. 1	<u> </u>	1
. NOSE	Control	٥	٥	0		0	٥	٥	0	0	٥	٥		,	,
. NUSE	Control 10 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1 0	1
	10 ppm 30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	U	U	U	v	V	U	V	U	U	V	U	U	U	U
PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30 ppm	3	3	3	0	3	3	3	3	3	3	3	4	4	4
	90 ppm	. 1	1	1	0	1	1	1	.1	1	1	1	1	1	1
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	ò	0	0	0	0
	90 ppm	1	1	1	0	1	1	1	1	1	1	1	1	1	1
EAR	Control	1	1	0	0	0	0	0	1	1	1	1	2	2	2
	10 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30 ppm	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
in .	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	1	0	1	1	1	1	1	1	1	1	1	1
FORLIMB	Control	0	0	0	. 0	0	1	1	1	1	. 1	1	2	2	2
	10 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0

(IIAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 40

Clinical sign	Group Name	Admini	stration W	eek-day						
		97-7	98-7	£9-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	1	
1.NOSE	Control	1	1	0	. 0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	1	1	1	1	1	1	1	1	
	90 ppm	0	0	0	0	0	0	0	0	
f.PERI MOUTH	Control	1	1	0	0	0	0	0	1	
	10 ppm	1	1	1	2	2	2	2	2	
	30 ppm	4	4	4	4	4	3	3	3	
	90 ppm	i	1	1	1	1	1	1	ō	
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	1	1	1	
	30 ppm	. 0	0	0	0	0	0	0	1	
	90 ppm	1	1	1	1	1	1	1	1	
M.EAR	Control	2	3	3	3	1	1	1	1	
	10 ppm	1	1	1	1	1	1	1	1	
	30 ppm	1	1	1	1	1	1	1	1	
	90 ppm	1	1	1	1	1	1	1	0	
M.PERI EAR	Control	0	0	0	1	1	1	1	1	
	10 ppm	1	1	1	1	1	1	1	1	
-	30 ppm	0	0	0	1	1	1	1	1	
• •	90 ppm	0	0	0	0	0	0	0	0	
M.NECK	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	1	1	1	1	1	1	1	1	
M.FORLIMB	Control	2	2	1	1	1	1	1	1	
	10 ppm	2	2	2	1	1	2	2	2	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 41

linical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
PDFLOT												•	•	•	•
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	.0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ō	0	Ō	Ö	Ō	0	0	Ö	Ö	0	0	ō	0	0
	30 ppm	0	0	Ŏ	. 0	Ŏ	0	Ö	Õ	Ŏ	0	Ô	Ŏ	Õ	0
	90 ppm	Ö	Ö	Ô	0	Ö	0	Ô	Ö	Ö	0	0	ő	Ŏ	Ö

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 42

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
					,										
.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	.0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERSCAPULUM	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 43

linical sign	Group Name	Admin	istration W	leek-day _											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DDEACT															
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IBDOMEN	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	·10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	Ô	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	ō	ō	0
	90 ppm	0	0	0	0	0	0	0	Ô	0	0	0	Ô	0	1

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 44

Clinical sign	Group Name	Admin	istration (leek-day _											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II. DREMOI	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	ő	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	2	2	2	1	2	4	3	2	1	1	1
	10 ppm	0	0	0	1	1	1	2	2	2	2	2	1	3	3
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	mad 06	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	- 0	0	0	0	0	0	0	0	0
	maa 0e	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maa 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0 -	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	1	1	0	1	1	1	1	0
	10 ppm	2	2	2	1	1	1	0	0	0	0	0	1	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	1	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 45

inical sign	Group Name	Admin	istration 🛭	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
	···	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	Ö	0	. 0	0	0	0	0	Ö	0	0	0	0	0
	90 ppm	0	ő	o	0	ő	Ö	0	0	Ö	0	0	0	0	0
ABDOMEN	Control	1	2	2	. 2	2	2	2	3	3	3	3	3	4	4
	10 ppm	3	3	5	4	3	4	4	4	5	4	4	4	4	4
	30 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	, 1	1	1	1	1	1	1	1	1	0	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	2	2	2	2	2	1	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERSCAPULUM	Control	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 08	0	0	1	1	1	1	1	1	1	1	1	1	2	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	2	2	1	0	1	1	0	2	2	2	1
	10 ppm	0	0	0	1	1	1	1	2	2	0	0	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	0	1	2	1	1	1	0	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	1	1	1	0	0	0	0

1.1

(IIAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 46

Clinical sign	Group Name	Admini	istration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
				-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,										
I. BREAST	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. ABDOMEN	Control	4	4	4	2	3	2	2	3	3	2	3	3	4	5
	10 ppm	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	30 ppm	0	0	0	1	1	1	1	1	1	0	0	0	0	0
	90 ppm	Ö	Ö	Ö	î	1	1	î	1	1	1	1	1	1	1
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
I. III I CALLON. DORDON	10 ppm	1	-	1	1			0 1		1	0	-	_	1	1
		1	1	_	_	1	1	_	0	-	1	1	1	1	1
	30 ppm	2	1	1	1	1	1	1	1	1	1	1	1	1	2
	90 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
I.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	1	1	1	1	2	2	2	2	2	2	2	2	3	3
	90 ppm	0	0	0	Ō	ō	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	1	1	1	. 1	0	0	1	1	0	0	1	1	0	0
	10 ppm	1	1	1	ī	1	1	î	1	0	Ŏ	0	0	0	o O
	30 ppm	0	Ō	Ō	0	0	Ô	Ô	0	0	0	0	0	1	0
	90 ppm	Ō	Ö	ŏ	ő	Ö	Ő	Ö	Ö	Ö	Ö	0	Ö	0	0
1.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	1	1	. 1	1	1	1	1	0	0	2	2
	90 ppm	0	0	0	0	0	. 1	0	0	0	0	0	0	1	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 47

Clinical sign	Group Name	Admin	istration W	leek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
M DDC10T															
M.BREAST	Control	1	1	1	0	1	1	1	1	1	1	1	1	1	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	5	5	4	0	4	4	3	3	3	3	4	4	4	4
	10 ppm	5	4	4	0	4	4	4	4	4	4	3	3	3	4
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	90 ppm	1	1	1	0	1	1	1	1	1	1	1	1	2	2
M.ANTERIOR.DORSUM	Control	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	10 ppm	1	1	1	0	1	2	2	2	2	1	1	1	1	1
	30 ppm	. 2	2	2	0	2	2	3	3	3	3	3	3	4	4
	90 ppm	1	1	1	0	1	1	1	2	2	2	2	2	2	3
M. INTERSCAPULUM	Control	0	0	. 0	0	0	0	0	0	0	0	1	1	1	1
	10 ppm	0	Õ	0	0	0	Ů	0	0	0	0	0	0	0	0
	30 ppm	0	Ŏ	Ô	ő	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	Ō	0	0	0 -	0	0	ő	Ŏ	0	ő	ő	Ő	0
M.POSTERIOR DORSUM	Control	1	1	2	0	2	2	2	2	0	0	0	0	0	0
ari serbiron bonoon	10 ppm	0	0	0	0	0	0	0	0	2 0	2 1	2	2 1	2 1	2 1
	30 ppm	3	3	3	0	3	3	2	2	2	2	2	2	2	2
	90 ppm	0	1	1	0	1	1	1	1	1	1	1	1	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	^
	10 ppm	0	0	1	0		1	1	_	-	-	-	•	-	0
	30 ppm	0	0	0		1 0		0	1	0	0	0	0	0	0
	maa 08	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
		v	v	V	V	U	U	U	U	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	2	2	2	0	2	2	2	2	2	2	2	2	2	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 48

Clinical sign	Group Name	Admini	istration W	eek-dav							
	•	97~7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1	1		
					 /						
1.BREAST	Control	2	2	2	2	2	2	2	2		
	10 ppm	0	0	0	1	1	1	2	2		
	30 ppm	0	0	. 0	0	0	0	0	0		
	90 ppm	0	0	0	0	1	1	1	1		
. ABDOMEN	Control	4	4	. 4	4	4	4	4	4		
	10 ppm	4	4	4	4	3	3	3	4		
	30 ppm	1	2	2	2	2	2	3	4		
	90 ppm	2	3	3	3	3	3	3	4	•	
1.ANTERIOR.DORSUM	Control	1	1	1	1	2	2	2	2		
	10 ppm	1	1	1	1	2	2	2	1		
	30 ppm	. 4	4	4	4	4	4	4	5		
	90 ppm	3	3	3	3	3	3	3	3		
1.INTERSCAPULUM	Control	1	1	1	1	1	1	1	1		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
.POSTERIOR DORSUM	Control	3	3	3	3	2	2	2	2		
	10 ppm	1	1	0	0	0	0	0	0		
ü	30 ppm	2	2	2	2	1	1	1	1		
	90 ppm	0	0	0	0	0	0	0	0		
.HINDLIMB	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
1.GENITALIA	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	2	2	2	2	2	2	3	3		
	90 ppm	0	0	0	0	0	0	0	0		

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 49

linical sign	Group Name	Adminis	stration We	ek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12~7	13~7
		2	1	1	, 1	1	1	1		1	1	1	1	1	1
, SCROTUM	· Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	- 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ŏ	0	Ŏ	Ö	0	0	0	0	0	0.	0	0	0	0
	90 ppm	Ö	Ö	õ	ő	Ŏ	ő	Ö	Ö	Ö	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
IEM I A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDDEN I NG	Control	0	0	0	0	0	0	0	0	.0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 50

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Contral	0	0	0	٥	0	•	•		•					
11.50.101011	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	•			0	0	0	0	0	0	0	0	0	0
	30 ppm 90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	an bbiii	U	U	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	Ô	Ö	0	Ö
	30 ppm	0	0	0	0	0	0	Ö	Ö	Ö	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	Ö	Õ	Ö	ő	0	0	0
EDEMA	Ct1	0	•		•										
EDERK	Control 10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		. 0	0		0	0	0	0	0	0	0	0	0	0	0
	30 ppm 90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ao pan	U	U	0	0	0	0	0	0	0	0	0	0	0	0
A I M M A I	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDISE	Control	0	0	0	0	0	0	0	0	^	^	•	0		•
	10 ppm	ő	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0
	20 PPM	v	v	٠.	v		V	V	V	U	U	U	U	V	U
ULCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ö	Ö
REDDENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	,	0
	10 ppm	0	0	0	0	1	1	0	0	. 0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0		0	0	-	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OO PPIII	v	V	V	v	v	U	U	v	U	U	U	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 51

linical sign	Group Name	Admin	istration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEMIA	Control	0	0	0	0	0	0	0	0	0	0	1	1	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0 -	0	0	0	0 ·	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCER	Control	0	0	Ó	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDDEN I NG	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 52

Clinical sign	Group Name	Admini	stration W	eek-day											
-	·	42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
											•	•	•	0	٥
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	U	U	U
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	1	1	0	0	0	0	0	0	0	0	1	1 0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	U
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
JAUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
ULCER	Control	0	0	0	0.	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDDENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 53

linical sign	Group Name	Admini	stration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	1	1	1	1	1	2	2	2	2	2	1 .	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	2	2	3	2	3	2	2	2	3	3	3
	90 ppm	1	1	1	1	3	4	3	3	3	2	3	2	2	3
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
and the second s	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDDENING	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 54

linical sign	Group Name	Admin	istration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
SCROTUM	0-1-1	۰		•		•	۰	•	•	,		•	•	•	•
SCRUTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0 ·	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	1	1	2	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	1	1	1	1	0	0	0	0	0
	30 ppm	4	4	3	1	1	2	1	1	1	2	2	2	1	1
	90 ppm	2	2	3	4	4	4	2	3	3	. 4	5	, 5	5	3
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMIA	Control	0	0	0	1	1	1	1	1	1	1	1	1	1	2
	10 ppm	0	0	0	2	2	2	2	3	3	2	1	0	2	2
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	90 ppm	0	0	0	1	0	0	0	0	0	0	0	1	1	2
UNDISE	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ō	0	Ö	0	Ō	Ō	0	Ö	0	Ô	0	Ō	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	Ō	Ō	Ō	Ö	Ö	Ō	Ö	Ö	0
EDDENING	Control	0	0	0	0	0	0	0	1	1	1	0	0	0	0
	10 ppm	0	Ō	0	0	0	0	0	0	ō	ō	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 55

Section Sect	linical sign	Group Name	Admin	istration W	leek-day											
Control 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0						86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
10 ppm 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	1	1						1	1	1	1	1	1
10 ppm 1 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SCROTUM	Control	0	•	0	•	0	٥	٥	^	٥		٥	•	٥	۰
So perm O	SCROTON			1			1	0	0		U	-		0		
So ppm O			_	1	=		7	7	1	_	7	-	_	. 1	_	_
Control 0 0 0 0 0 0 1 1 1 1				•												
10 ppin 0		ao hhii	V	U	U	U	U	V	V	V	V	V	V	V	v	U
10 ppih 0	'AIL	Control	0	0	0	0	0	1	1	1	1	1	1	1	1	1
30 ppm			0	0	0			0		1				2		
Solution Solution				1							-					
10 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			3	3												
10 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	•			_							•	=		=		•
Solution Control 1					-		-	•	-		* .	0	-	0	-	0
10 ppm 1 3 2 0 3 3 3 2 3 3 4 4 4 4 4 4 30 ppm 2 0 0 0 0 0 2 2 1 1 1 2 1 1 1 1 1 1 1 0 0 0 0				0							_	0		-		-
10 ppm 1 3 2 0 3 3 3 2 3 3 4 4 4 4 4 4 30 ppm 2 0 0 0 0 0 2 2 1 1 1 2 1 1 1 1 1 1 1 0 0 0 0	MIA	Control	1	1	1	0	2.	2.	0	1	2 .	2	4	5	5	3
30 ppm 2 0 0 0 0 2 2 1 1 1 0 0 1 1 1 0 0 0 0 0			1	3	2					_			=	-		
90 ppm 2 1 1 0 0 1 1 1 0 0 1 0 0 0 0 0 0 0 0 0									1							_
10 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0									1	0		0	0	0		
10 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				-												
90 ppm 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0						0			0	-		0
10 ppm 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1													-	-		
10 ppm 0 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1	CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0			0					=		1	1		-
90 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		• •	-		-	-				-	_		Ô	0	_	
10 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-											
10 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DENING	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	1	0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0	_		_		-										1	
			-	-	=				•			-	-	-	0	
		• • • • • • • • • • • • • • • • • • • •	-						-							
		• • • • • • • • • • • • • • • • • • • •	-						-							

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 56

linical sign	Group Name	Admin	istration (leek-day _						 	
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1	1	 	
anomini								•	•		
SCROTUM	Control	0	0	0	0	0	. 0	0	. 0		
	10 ppm	1	1	1	2	2	2	2	1		
	30 ppm	0	0	0	0	1	1	1	1		
	90 ppm	0	0	0	0	0	0	0	0		
TAIL	Control	1	1	1	1	1	1	1	0		
	10 ppm	2	2	2	2	2	2	2	2		
	30 ppm	2	2	2	2	3	2	2	2		
	90 ppm	5	7	7	5	5	4	5	3		
EMA	Control	0	0	0	0	0	0	0	0		
	10 ppm	. 0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	1	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0 .	0		
IEMIA	Control	4	3	3	4	2	1	1	3		
	10 ppm	5	5	5	3	1	2	2	1		
	30 ppm	0	0	1	3	3	2	2	3		
	90 ppm	0	0	0	3	3	3	4	3		
AUNDISE	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
i.	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	1		
LCER	Control	1	0	0	0	0	0	0	0		
	10 ppm	1	1	1	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0	*	
EDDENING	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	. 0	0	0	0	0	0		
	30 ppm	. 0	0	0	0	0	1	0	0		
	90 ppm	0	0	0	0	0	0	0	. 0		

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 57

linical sign	Group Name	Admini:	stration We	eek-day								,			
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
Maria		•	•	•	•			•	•	•		•		•	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	- 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL TESTIS	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
PRTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 58

inical sign	Group Name	Admin	istration W	leek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
JSTA	Control	0	0	0	0	0	1	1	0	1	1	1	1	0	2
	10 ppm	0	0	0	0	1	1	1	2	2	î	4	4	6	6
	30 ppm	0	Ŏ	Ö	Ö	0	ô	4	0	0	5	6	3	4	6
	90 ppm	0	0	Ö	Ö	0	Ö	7	7	5	9	11	4	6	22
ATRIX	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORMAL TESTIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	U	U	U	U
RTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm 90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	MQQ VE	U	U	V	v	U	U	U	V	v	U	v	v	v	v
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
SPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 59

linical sign	Group Name	Admini	stration W	leek-day _											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
	·	1	1	1	1	1	1	1	1		1	1	1	1	1
Mars.				_			•	•		•		0	^	0	,
RUSTA	Control	0	1	5	4	2	3 2	3 3	1	0	1 3	0	0	2 1	1 2
	10 ppm	7	5	4	3	4	2 15	3 18	0	10	3 14	6	4	13	8
	30 ppm	6	6	5	15 10	21		16	11 11	6	13	11	3	13	17
	90 ppm	14	14	2	16	14	8	16	11	ь	13	11	3	11	17
CATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL TESTIS	Control	0	0	0	0	2	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	0	0	1	0	0	1	0	0	0	0	0
	90 ppm	0	0	0	0	1	1	1	0	1	1	0	1	1	1
RTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	Ō	Ö	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ô	0	0	0	Ō	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ō	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 60

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RUSTA	Control	1	2	0	0	1	2	1	1	5	3	4	5	5	5
	10 ppm	2	3	3	2	0	3	3	1	2	1	1	1	1	1
	30 ppm	3	5	2	20	1	1	2	5	5	10	4	5	1	6
	90 ppm	3	8	3	24	1	4	4	2	4	17	4	2	10	10
CATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0 ,	0	0	0	0	0	0	0	0	0	0	0
NORMAL TESTIS	Control	0	0	0	0	0	0	1	2	3	0	0	0	0	0
	10 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	1	1	1	0	1	2	2	2	2	1	2	2
RTICOLLIS	Control	0	0	0	0	0	0.	0	0	2	2	2	1	1	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	1	0	1	1	1	1	1	1	0	1	1
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	2	2	1	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
SPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 61

Clinical sign	Group Name	Λdmini	stration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			_		_		_	_	_	_	_				
CRUSTA	Control	6	7	6	5	6	7	7	7	7	7	8	6	6	10
	10 ppm	3	4	4	5	5	4	5	4	3	3	2	3	3	5
	30 ppm	0	7	0	4	7	9	6	11	14	14	14	15	16	19
	90 ppm	5	1	1	5	7	17	17	19	15	18	16	19	24	29
ICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	. 0	0	. 0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL TESTIS	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	2	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	1	1	1	1	0	1	1	1	1	1
ORTICOLLIS	Control	2	2	2	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
+	30 ppm	0	0	0	1	1	1	1	1	1	1	0	1	1	0
	90 pm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RREGULAR BREATHING	Cantrol	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 mag	Ö	0	Ō	0	Ô	0	Ö	0	0	0	0	0	0	0
	90 ppm	1	0	0	Ö	0	0	0	0	1	0	0	0	0	0
ESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ö	0	0	0	Ö	0	0	0	0	0	0	0	0
	30 ppm	0	0	Ŏ	Ö	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	Ŏ	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 62

linical sign	Group Name	Admin	stration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
				-											
RUSTA	Control	12	12	12	12	10	13	13	11	12	13	15	15	12	16
	10 ppm	5	6	6	7	7	8	6	7	6	11	8	8	8	8
	30 ppm	18	14	15	10	11	10	13	11	13	11	13	14	17	8
	90 ppm	28	29	23	19	18	17	19	22	26	25	28	26	28	11
CATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0 .	0
	10 ppm	. 0	0	0	0	0	0	0	0	1	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL TESTIS	Control	1	1	1	2	2	2	2	2	3	4	5	6	6	8
	10 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	6
	30 ppm	0	0	0	0	0	0	0	0	0	1	1	1	2	3
,	90 ppm	1	1	1	1	3	3	3	3	3	4	4	4	8	9
RTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	10 ppm	1	1	1	1	1	1	1	1	1	2	1	1	1	1
•	30 ppm	2	1	1	1	1	0	1	0	1	1	1	1	1	1
	Mqq 08	1	1	1	1	1	1	1	1	1	1	1	1	1	1
REGULAR BREATHING	Control	0	0	0	0	1	1	0	0	0	1	1	1	1	2
	10 ppm	0	0	0	1	2	1	0	1	2	1	0	1	2	2
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	.0	1	1	1
SPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 .	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 63

linical sign	Group Name	Admin	stration W												
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
	······································	1	1	1	2	1	1	1	1	1	1	1	1	1	1
RUSTA	0	15	00		•	0.1	00	00	00	00	00	00	01	00	01
RUSIA	Control	17	20	20	0 .	21	20	20	23	22	22	22 10	21 10	20 10	21 12
	10 ppm	9	11 12	12 14	0	10	10 16	10	11	11 19	10 18	19	20	21	22
	30 ppm	16			· 0	13		17	17	26	26	24	25	26	26
	90 ppm	22	21	16	U	16	19	22	24	20	20	24	20	20	20
CATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	.0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ŏ -	ŏ	Ö	0	Õ	Ŏ	0	Ŏ	Õ	Ô	0	Ö	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	2	0	0	0	0	0
BNORMAL TESTIS	Control	8	11	12	0	13	12	12	16	17	19	24	23	23	26
	10 ppm	5	5	8	0	8	11	11	14	14	15	21	19	18	21
	30 ppm	2	2	2	0	2	4	4	5	5	4	6	9	10	9
	90 ppm	10	8	9	0	9	9	9	9	10	9	11	11	11	10
PRTICOLLIS	Control	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	10 ppm	ī	1	1	0	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	0	0	0	1	1	1	1	1	1	1	1	1	1
•	90 ppm	2	1	1	0	1	1	1	1	1	1	1	1	1	1
RREGULAR BREATHING	Control	2	2	2	0	2	2	2	2	2	2	2	2	2	3
	10 ppm	1	1	0	0	1	1	1	1	1	0	0	1	0	0
	30 ppm	0	0	1	0	1	3	2	2	1	0	1	1	1	0
	90 ppm	3	1	ī	0	1	ī	1	0	. 0	0	Ō	0	Ö	2
SPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	Ö	0	Ö	0	0	Õ	0	0
	30 ppm	o O	Ö	Ô	ő	Ô	0	0	Ö	Ŏ	0	0	Ö	Ö	ō
	90 ppm	0	0	0	0	0	0	0	0	Õ	0	0	Ö	Ö	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 64

Clinical sign	Group Name	Admin	istration W	leek-day						
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	1	
CRUSTA	Control	20	20	19	20	18	17	17	18	
	10 ppm	11	11	12	14	14	15	15	18	
	30 ppm	22	22	22	21	20	21	21	21	
	90 ppm	25	27	26	29	31	30	30	29	
CICATRIX	Control	0	1	0	. 0	0	0	0	0	
	10 ppm	0	0	0	0	Ő	0	0	Ö	
	30 ppm	0	0	0	0	0	1	1	0	
	90 ppm	0	Ő	0	0	0	0	0	0	
	00 FM	·	v	v	٠	v	v	v	V	
HEMORRHAGE	Control	0	0	1	0	0	0	0	0	
	10 ppm	. 0	0	0	0	0	0	0	0	
	30 ppm	. 0	0	0	0	0	1	0	. 0	
	90 ppm	0	2	1	0	1	0	0	0	
ABNORMAL TESTIS	Control	21	22	21	21	19	20	20	20	
	10 ppm	20	20	20	19	19	19	19	17	
	30 ppm	9	9	11	9	9	9	9	12	
	90 ppm	11	11	15	17	19	18	18	18	
TORTICOLLIS	Control	1	1	0	0	0	0	0	0	
	10 ppm	1	1	1	1	1	1	1	1	
•	30 ppm	1	1	1	1	1	1	1	1	
	90 ppm	1	1	1	1	2	2	2	2	
IRREGULAR BREATHING	Control	3	3	5	4	5	3	2	1	
	10 ppm	2	2	3	2	1	1	1	1	
	30 ppm	0	0	i	2	2	1	2	2	
	90 ppm	ő	0	0	1	2	2	3	3	
	2. Linu	·	•	•	•	-	-	v	•	
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	Ō	Ö	0	Ö	
	30 ppm	0	0	0	0	1	1	0	0	
	90 ppm	0	0	0 -	0	ō	Õ	0	Ö	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 65

linical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
BNORMAL RESPIRATION	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
MONING REST TRAITOR	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 FF.	·	·	·	v	v	v	v	v	v	v	•	·	v	·
DYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
EP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0
	30 ppm	. 0	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ō	0	0	0	0
	90 ppm	0	0	0	0	Ô	0	0	0	0	0	0	0	0	0
NORMAL RESPIRA.SOUND	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ö	0	0	Ō	0	0	0	Ô	0	0	0
	30 ppm	Ö	0	Õ	0	0	0	Ö	Ô	Ö	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D URINE	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
DUNING	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	av þþill	v	v	U	U	U	V	V	U	v	V	V	v	v	U
LLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRHEA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	Ö	0	0	0 .	0	0	0	0 .	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 66

linical sign	Group Name	Admin	istration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	. 1	1	1	1
NORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOMINE RESIDENTIAL	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ő	0	Ŏ	Ŏ	ő	Ŏ	Ö	0	0	0	0	0	0	0
	90 ppm	0	Ö	0	Ô	Ö	0	0	0	Ō	0	0	0	0	0
DYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0 .	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Q
URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRHEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 67

linical sign	Group Name	Admini	stration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	·														
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 .	0	0	0	0	0	0	0	0	0
NORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ED URINE	Control	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
~	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	- 0	0	0	0
LLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRHEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	- 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 68

Clinical sign	Group Name	Admini	istration W	Veek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	2	2	1	0	0	0
neor military	10 ppm	0	0	0	0	0	0	0 ·	0	0	0	0	0	0	0
	30 ppm	0	0	0	Ö	0	0	0	0	0	0	0	0	Ő	0
	90 ppm	0	0	Ö	0	0	0	Ö	0	1	1	1	1	1	1
RADYPNEA	Control	- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ED URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IARRHEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 69

linical sign	Group Name	Admin	istration (Week-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BNORMAL RESPIRATION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWING RESI INNI TON	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 -	0
	90 ppm	1	0	0	0	0	. 0	0	0	1	0	0	0	0	0
	oo ppiii	-	U	v	V	V	. •	V	v	1	v	v	v	V	v
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 08	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
BNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ED URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
I ARRHEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	·Ó	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 70

linical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NORMAL RESPIRATION	Control	0	0	0	0	1	1	0	0	0	1	1	1	1	2
MORNAL RESI TRATION	10 ppm	0	0	0	1	2	1	0	1	2	1	0	1	2	2
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	midd ne	V	V	U	V	U	U	U	U	V	U	V	1	1	1
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EEP BREATHING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ō	0	0	Ō	0	0	0	0	0
	30 ppm	0	Ō	0	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
D URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	Ö	0
•	30 ppm	0	0	0	0	0	0	0	Ō	0	0	0	0	0	0
	90 ppm	0	0	0	0	Ō	0	0	0	0	0	0	0	1	0
LLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	Ŏ	0	0	Ö	Ő	Ŏ	ő	Ö	1	0	0	. 0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	ő	0	0	0	0	0	Ö	0	0	ő	1
ARRHEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 71

Clinical sign	Group Name	Admini	stration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	. 1	1	1
DNODKII DEGDIDITION	a		_												
BNORMAL RESPIRATION	Control	2	2	2	0	2	2	2	2	2	2	2	2	2	3
	10 ppm	1	1	0	0	1	1	1	1	1	0	0	1	0	0
	30 ppm	0	0	1	0	1	3	2	2	1	0	1	1	1	0
	90 ppm	3	1	1	0	1	1	1	0	0	0	0	0	0	2
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	90 ppm	0	0	. 0	0	0	0	0	0	. 0	0	0	0	0	0
EEP BREATHING	Control	1	1	1	0	1	1	0	1	1	1	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0 -	0	0
	30 ppm	. 0	0	0	0	1	1	1	1	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
BNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ED URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	2	1	i	1	0	0	1	i	1	Ō
	90 ppm	2	1	. 0	0	0	ĩ	1	ō	0	0	Õ	Õ	Õ	1
ARRHEA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	Õ	Ö	0 .	0	0	Ŏ	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 72

Clinical sign	Group Name	Admini	istration W	leek-day						
•	•	97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	1	
ABNORMAL RESPIRATION	Control	3	3	5	4	5	3	2	1	
	10 ppm	2	2	3	2	1	1	1	1	
	30 ppm	0	0	1		2	1	2	2	
	90 ppm	0	0	0	2	2	2	3	3	
BRADYPNEA	Control	0	0	0	2	1	0	1	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
DEEP BREATHING	Control	0	1	1	2	2	1	1	1	
	10 ppm	0 .	0	0	0	0	0	0	0	
	30 ppm	. 0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	1	0	
ABNORMAL RESPIRA.SOUND	Control	0	0	0 -	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	1	1	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
RED URINE	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
· ·	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0,	0	0	0	0	0	
YELLOW URINE	Control	0	0	0	0	0	0 -	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	1	2	
	90 ppm	0	0	0	1	, 2	0	0	1	
DIARRHEA	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 73

Clinical sign	Group Name	Admini:	stration We	eek-day											
		0-0 2	1-7 1	2-7	3-7 1	4-7 1	5-7 1	6 -7 1	7–7 1	8-7 1	9 - 7	10-7 1	11-7 1	12-7 1	13 - 7
-															····
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 74

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LOOSE STOOL	Control	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	0	0	0	0	0	0	1	0	0	0	0
	90 ppm	0	0	0 .	0	0	0	0	0	0	.0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 75

Clinical sign	Group Name	Admin	istration W	leek-day											
		28-7 1	29 - 7	30-7	31-7 1	32-7 1	33-7	34-7 1	35-7 1	36-7	37 - 7	38-7 1	39-7 1	40-7 1	41-7
	-														
DOSE STOOL	Control	0	0	1	0	0	0	0	0	0	1	0	1	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	0	0	0	1	0	2	0	0
	90 ppm	0	0	0	0	0	1	0	0	0	0	1	0	0	0
IBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 76

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7 1	43-7 1	44-7	45-7 1	46-7 1	47-7 1	48-7 1	49-7 1	50-7 1	51 - 7	52-7 1	53-7 1	54-7 1	55-7 1
				·- <u>-</u>										 	,
LOOSE STOOL	Control	0	0	0	1	1	0	1	1	1	1	1	2	0	0
	10 ppm	0	0	0	0	1	0	0	0	1	0	0	0	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	90 ppm	2	0	0	0	0	0	0	1	1	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 77

Clinical sign	Group Name	Admini	stration W	eek-day											
		56 - 7	57-7 1	58-7 1	59 - 7 1	60-7 1	61-7 1	62-7 1	63-7 1	64-7 1	65-7 1	66-7 1	67-7 1	68-7 1	69-7 1
							•						1 - 1 - 1 - 1		
LOOSE STOOL	Control	1	1	1	0	0	1	0	0	0	0	0	0	0	0
	10 ppm	1	0	0	0	1	1	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	90 ppm	0	0	0	1	0	0	0	0	1	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 78

Clinical sign	Group Name	Admini	istration W	eekday											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OOSE STOOL	Cantral	0	1	0	0	0	0	0	0	0	1	٥	٥	0	٥
10000 01000	10 ppm	0	0	0	٥	٥	٥	٥	۸	0	1	0	0	1	1
	30 ppm	O.	0	0	0	. 0	0	0	0	. 0	Ô	0	0	Ô	Ô
	90 ppm	ő	Ö	ŏ	ő	Ö	Ö	Ö	ő	Ö	ő	Ö	0	Ö	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 79

Clinical sign	Group Name	Admini	stration W	eek-day											
		84 - 7	85-7 1	86-7	86-7	87 - 7	88-7	89-7 1	90-7 1	91-7 1	92-7 1	93-7	94 - 7	95-7	96-7 1
					<u> </u>									<u> </u>	1
OOSE STOOL	Control	1	0	0	0	0	0	0	0	0	0	1	1	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Admini	istration W	leek-day							
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1	1		
LOOSE STOOL	Control	0	0	1	0	0	0	0	0		
	10 ppm	0	0	1	0	0	0	0	0		
	30 ppm	0	0	0	0	0	4	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
SUBNORMAL TEMP	Contral	0	0	0	1	0	1	1	0		
	10 ppm	0	0	0	0	0	0	0	0	•	
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	1	0	0		
(HAN190)											BAIS

APPENDIX A 2

CLINICAL OBSERVATION: SUMMARY, RAT: FEMALE

(2-YEAR STUDY)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 81

Clinical sign	Group Name	Admini	stration We	eek-day								•			
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1		1	1	1
EATH	Cantrol	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	ð	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0.	0	0	0	0	0	0	0	0	0	0
	mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
••	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	Ö	Ö
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Ö	0	Ö	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	Õ
	90 ppm	0	Ō	0	Ö	0	Ö	Ö	Ö	Ö	Ö	Ö	ő	Ö	Ö
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	Ö	0	0	Ö	Ö	Ö	Ö	ő
	30 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ö	0
	90 ppm	0	0	0	Ö	0	0	0	0	Ö	0	0	0	Ö	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 82

linical sign	Group Name	Admin	istration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIBUND SACRIFICE	Control	0 -	0	0	0	0	0	0	0	0	0	0	0 .	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STING	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	. 1	1	1	1	1	1	1	1	1	1	1
							·								
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ö	0	Ö	0	Ö
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0 -	0	0	0	0	0	0
	10 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	0	Ö
ATERAL,	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 84

Clinical sign	Group Name	∆dmini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	. 0	0	0	0	0	1	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	1	0	0	0	0	0	0	. 0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 .	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admin	istration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	1	1	1	1	1	1	1	1	2	2	2	2
ORIBUND SACRIFICE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	90 ppm	2	1	0	1	0	. 0	0	1	1	1	2	1	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	1	0	1	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	1	0	0	0	0	0	1	1	1	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 86

Clinical sign	Group Name	Admini	istration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NP ATTU													_		
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	1	2	2
	10 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	90 ppm	1	1	1	1	1	1	1	1	1	1	2	2	2	2
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	1	0	1	1	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	Ō	0	0	0	Ô	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	Ō	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	. 0	0	0	0	0	1	1	2	2	1	1
Total Total Total	10 ppm	Ö	0	Ö	Ö	0	0	0	Ŏ	Ô	Ô	0	0	Ô	Ô
, a la	30 ppm	Õ	Ŏ	Ď	0	ŏ	Ö	Ö	0	0	0 -	Ö	Ö	Ö	Ö
	90 ppm	1	1	ő	Ő	0	0	1	0	Ő	1	Ö	Ö	1	1
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	1	. 1	0	0	0	0	0	0	0
	االطط من	V	٧	v	v	V	1	1	V	V	V	v	V	V	U
VASTING	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	1 -	0	0	0	0	0	1	0	2	2	1	0	1	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 87

Clinical sign	Group Name	Admini	stration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0,	0	1
	10 ppm	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	3	3	3	3	3	4	4	4	4	5	5	5	5	6
DRIBUND SACRIFICE	Control	3	3	3	3	4	6	6	6	6	6	6	6	6	6
	10 ppm	1	1	1	1	2	2	2	2	2	2	3	5	5	5
	30 ppm	1	1	1	1	1	1	1	2	2	2	3	3	3	4
	Mqq 08	2	2	3	3	3	4	4	4	4	4	5	5	5	5
OCOMOTOR MOVEMENT DECR	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	Ç	0	0	0	0	0	0	1	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	1	0	0	0	2	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	1	0	1	1	1	1	1	3	3	2	2	2
•	30 ppm	0	1	0	0	1	2	2	1	1	2	1	1	2	2
	90 ppm	1	1	0	0	1	0	0	0	1 .	1	0	1	1	2
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
STING	Control	1	0	0	0	2	0	0	0	0	0	0	0	1	1
	10 ppm	0	0	1	0	0	0	0	0	0	3	3	2	2	2
	30 ppm	0	0	0	0	1	2	2	1	1	2	1	1	1	1
	90 ppm	1	1	0	0	1	0	0	0	1	1	0	2	2	1

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day								
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		 	
		1	1	1	1	1	1	1	1	•		
DEATH	Control	1 .	1	1	1	1	1	1	3			
	10 ppm	2	3	3	4	4	6	6	7			
	30 ppm	1	1	2	2	2	2	2	2			
	90 ppm	6	6	6	7	7	7	7	8			
MORIBUND SACRIFICE	Control	6	7	7	8	8	8	8	9			
	10 ppm	5	6	6	6	6	7	7	7			
	30 ppm	5	5	6	.6	6	7	7	8			
	90 ppm	5	6	7	7	7	7	7	7			
LOCOMOTOR MOVEMENT DECR	Control	0	1	0	0	0	0	0	0			
	10 ppm	. 0	0	0	0	0	1	Ŏ	0			
	30 ppm	0	0	0	0	0	0.	0	1			
	90 ppm	0	0	0	Ŏ	1	1	0	0			
ATERAL	Control	0.	0	0	0	0	0	0	0			
	10 ppm	0	Ŏ	Ö	0	0	0	0	0			
	30 ppm	1	Ö	Ö	0	0	0	0	0			
	90 ppm	ô	0	ő	ő	ő	Ö	0	Ö			
HUNCHBACK POSITION	Control	1	1	0	0	1	1	2	2			
	10 ppm	2	2	2	2	2	1	0	0			
•	30 ppm	1	2	1	0	1	2	2	2			
	90 ppm	2	1	1	1	1	1	1	0			
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0			
	10 ppm	0	0	0	0	0	0	0	0			
	30 ppm	0	0	0	0	0	0	0	0			
	90 ppm	Ö	0	0	0	0	0	0	0			
VASTING	Control	1	1	0	0	1.	3	3	2			
	10 ppm	3	2	2	2	2	1	0	0			
	30 ppm	0	1	0	0	1	2		2			
	90 ppm	1	1	1	1	1	1	2 1	0			

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 89

Clinical sign	Group Name	Admini	stration We	eek-day						,					
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	87	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
											•				
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ō	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OSS OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	1	0	0	0	3	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	30 ppm	0	0	0	0	0	0	0	0	1	0	0	0	2	0
	mag 08	0	0	0	0	0	0	0	0	5	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

inical sign	Group Name		stration W												
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LED	Control	0	0	0	0	0	0	0	0	٥	٥	٥	0	0	٥
GLD .	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORED	Control	0	0	. 0	. 0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S OF HAIR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	0	2	1	0	1	1	1	5	3	3	4	4
	90 ppm	0	0	0	0	0	0	2	1	0	1	1	2	1	0
UMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	U	0	U	0	0	0	0	0	0	0	0	0	0
LED PERI GENITALIA	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	90 mqq	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RYMATION	Control	1	3	1	1	0	0	7	6	10	11	1	11	1	0
	10 ppm	2	2	2	0	0	0	7	5	7	7	1	5	0	0
	30 ppm	1	2	0	4	0	0	2	1	2	3	4	2	0	0
	90 ppm	0	0	2	1	0	0	1	0	2	1	1	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 91

linical sign	Group Name	Admin	istration W	leek-day											
		28-7	29-7	30-7	. 31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	. 1	1	1
COILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	Ù	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DLORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	2	0	0	2	1	1	0	1	0	0
	10 ppm	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	1	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
OSS OF HAIR	Control	0	0	0	0	. 1	0	1	2	2	1	1	1	3	4
	10 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	2
	30 ppm	4	2	1	3	4	0	5	3	2	2	3	2	3	15
	90 ppm	0	0	1	1	2	1	2	2	1	2	3	2	3	6
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	Ö
er.	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	5	1
	10 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYMATION	Control	0	2	3	1	11	6	10	16	14	3	5	22	9	11
	10 ppm	0	1	7	5	18	8	8	16	14	0	2	23	11	0
	30 ppm	4	3	2	0	0	7	1	2	3	1	2	4	9	3
	90 ppm	2	1	1	i	i	3	î	0	0	0	1	0	2	2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
AH ED							_	_	_						
OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	.0	0
LORED	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	Ö	0	Ŏ	0	0	0	Ö	0	0
	30 ppm	3	0	0	0	10	0	0	0	0	0	0	0	0	0
	90 ppm	3	0	0	0	5	0	0	0	0	0	0	0	0	0
OSS OF HAIR	Control	7	4	2	5	6	4	3	3	4	6	5	9	7	6
	10 ppm	2	2	2	1	5	1.	1	1	3	4	4	4	4	7
	30 ppm	5	6	10	26	ě	7	11	11	7	15	13	11	10	10
	90 ppm	5	3	3	6	5	4	5	3	4	4	6	4	5	8
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
monn	10 ppm	0	0	0	0	0	0	0	0.	0	0	0	0	0	0
•	30 ppm	0	Ö	0	0	1	0	0	0.	0	0	0	0	0	0
	90 ppm	0	Q Q	0	0	0	0	0	0	0	0	0	0	0	0
DILED PERI GENITALIA	Canton	^	•	0		0	0		0	0	^	,	•		1
DILED TERT GENTREIN	Control	0	3	0	1	3	2	2	0	6	0	1	1	3	1
	10 ppm		0	0	0	3	0	-	0	0	0	0	0	0	0
	30 ppm mag 08	0	0	0	0 3	0	- 0 0	0 0	0	0	0	0	0	0	0
•	au ppm	v	U	U	ა	U	U	U	U	U	U	U	U	U	U
CRYMATION	Control	7	3	2	3	1	16	3	6	8	2	5	7	11	18
	10 ppm	3	0	7	2	13	14	11	2	0	4	2	15	14	13
	30 ppm	4	1	5	2	4	2	3	1	3	3	0	0	0	9.
	90 ppm	1	1	1	2	1	1	2	0	0	2	2	0	0	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 93

inical sign	Group Name		istration (
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
LED		•											_		
LLED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRED	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	Ō	Ö	Ŏ	Ö	Ö	Ö	Ŏ	Ŏ	Ŏ	ŏ	Ŏ
	90 ppm	0	0	0	0	0	0	0 .	0	Ö	0	0	0	0	0
OERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	Ō	Ö	Õ	0	Ö	0	Ö	0	Ö
	90 ppm	1	0	0	0	0	0	0	0	Ö	1	1	3	0	0
S OF HAIR	Control	6	5	6	7	8	9	8	9	9	9	11	11	10	12
	10 ppm	8	8	9	9	11	11	10	10	10	11	11	14	10	17
	30 ppm	11	20	13	12	12	10	14	19	19	23	23	25	17	27
	90 ppm	5	10	14	12	17	13	13	15	14	15	17	19	16	19
UMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Õ
	30 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LED PERI GENITALIA	Control	6	2	1	1	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	2
RYMATION	Control	1	14	16	13	4	7	7	11	9	3	12	10	0	4
	10 ppm	3	13	20	11	5	32	12	7	9	2	13	6	4	4
	30 ppm	0	7	0	2	4	0	0	4	2	7	5	4	7	7
	90 ppm	0	2	2	1	4	0	1	0	1	3	3	1	2	4

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 94

linical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
									_		_			_	
ILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	- 0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOERECTION	Control	1	0	0	0	0	0	0	0	0	1	2	2	1	1
	10 ppm	. 3	0	2	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	1	2	0	0	0	0	0	1	1
S OF HAIR	Control	16	19	20	23	23	22	23	20	19	24	26	25	22	21
	10 ppm	17	20	23	23	22	23	23	20	21	22	23	21	22	21
	30 ppm	29	27	27	27	26	26	28	26	22	24	26	24	27	35
	90 ppm	19	19	20	24	24	27	29	29 .	28	30	31	29	29	30
AUMA	Control	0	0	0	Q	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	1	0	2	0	1	0	0	. 0	0	0	0	2	1	0
	10 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYMATION	Control	3	8	2	0	7	13	9	1	9	7	3	9	7	8
	10 ppm	1	4	3	1	8	7	13	1	4	5	1	7	3	11
	30 ppm	4	6	6	3	1	3	5	1	5	0	3	4	1	7
	90 ppm	1	1	8	. 1	0	1	2	1	3	1	4	1	- 3	1

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 95

linical sign	Group Name	Admini	stration W	eek-day										·	
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
······	·	1	1	1	2	1	1	1	1	1	1	1	1	1	1
11 50	a				•	•	•	•	•	•	•	•	0	^	0
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0		0	0
	30 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
LORED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOERECTION	Control	1 -	0	2	0	2	. 0	0	0	0	0	0 :	0	1	0
	10 ppm	. 0	0	1	0	0	0	. 0	1	0	0	2	1	2	2
	30 ppm	0	1	0	0	1	2	2	1	2	2	1	1	1	2
	90 ppm	1	2	1	0 .	2	0	0	0	1	1	0	0	0	1
SS OF HAIR	Control	21	26	25	0	25	24	22	21	19	19	20	21	23	22
	10 ppm	23	26	27	0	26	26	27	25	25	21	23	25	27	27
	30 ppm	29	29	29	0	30	32	33	32	33	32	30	29	33	32
	90 ppm	29	30	28	0	28	29	30	30	31	31	29	29	30	30
AUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	7	1	1	0	1	0	0	0	0	0	0	1	2	0
	10 ppm	5	0	0	0	0	0	0	1	1	1	1	0	1	0
	30 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	0
CRYMATION	Control	1	1	1	0	1	8	9	1	5	1	7	6	5	7
	10 ppm	1	0	1	0	1	4	3	1	7	4	4	6	5	6
	30 ppm	0	4	2	0	2	2	8	3	3	5	3	6	2	1
	90 ppm	1	1	1	Õ	3	3	4	2	1	3	1	4	1	2

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	istration W	leek-day _						
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	1	
COILED	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	1	1	0	
	maq 08	0	0	0	0	0	0	0	0	
OLORED	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
PILOERECTION	Control	2	2	2	1	3	3	4	2	
	10 ppm	4	2	2	2	2	1	0	0	
	30 ppm	1	1	1	1	2	1	1	1	
	90 ppm	1	1	0	1	1	1	1	0	
OSS OF HAIR	Control	24	24	23	23	23	22	23	22	
	10 ppm	27	28	27	24	24	22	21	20	
	30 ppm	30	29	27	30	30	29	29	28	
	90 ppm	30	29	28	27	27	27	27	25	
RAUMA	Control	0	0	0	0	0	0	0	0	
	10 ppm	0	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	0	
OILED PERI GENITALIA	Control	1	2	1	1	1	1	2	2	
	10 ppm	2	0	0	1	1	0	0	0	
	30 ppm	0	0	1	0	0	0	0	0	
•	90 mpm	0	0	0	0	0	0	1	0	
ACRYMATION	Control	7	5	5	4	5	8	10	2	
	10 ppm	2	6	6	4	4	3	5	2	
	30 ppm	1	1	1	1	2	6	5	3	
	90 ppm	2	4	2	1	3	4	1	0	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 97

Clinical sign	Group Name	Admini	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
SUM	Contract	٥	0	٥	^	•		0	0	•		^	•	٥	٥
1011	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm 30 ppm	0	0	0	0	0		•	0	0	•	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	V	U	U	U	U	U	U	U	U	U	U	U	U	U
YE HEMORRHAGIC DISCHA	Control	. 0	0	0	0	0	0	0 -	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0 .	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	Ō	0	0	Ō	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ô	Ô	Ö	0	0	0	Ő	Õ	0	0	0	0	0	0
	30 ppm	0	0 .	. 0	Ö	Ŏ	0	0	0	0	0	0	0	0	ů
	90 ppm	Ö	Ö,	ő	ő	ő	ŏ	ő	ő	Ö	ő	ŏ	Ő	ő	ő
SORE OF SOLE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	0	Ŏ	0	0	0	Ö	0	Ŏ	0	0	0	0	0
	30 ppm	Ö	0	Ŏ	Ö	ŏ	0	Ö	ő	Ö	0	0	Ö	Ő	0
	90 ppm	Ô	Ô	0	0	Ŏ	0	Õ	0	Ô	0	0	Ô	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX: FEMALE

PAGE: 98

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
GUM	Control	0	1	0	1	0	0	1	1	5	2	0	7	4	4
	10 ppm	0	1	0	0	0	0	2	0	5	0	2	4	0	1
	30 ppm	0	0	0	0	0	0	1	0	0	2	2	0	0	0
	90 ppm	0	0	0	0	0	0	1	0	3	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Contral	0	0	0	1	1	3	0	0	0	1	0	0	1	3
	10 ppm	0	0	0	0	0	1	0	0	0	0	2	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	Ô	0	0	0	0	0
EYE OPACITY	Control	0	0	0	0	0	0	1	1	1	1	2	2	2	2
	10 ppm	0	0	0	Ö	Ö	Ö	0	Ō	Ô	Ô	0	0	0	0
	30 ppm	. 0	0	0	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	Ō	0	0	Ô	ō	0	î	1	1	1	1	0	1	1
CATARACT	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	Ô	0	0	0	ō	0
	30 ppm	0	0	1	1	i	1	1	ì	1	1	1	1	1	1
	90 ppm	0	0	0	Ō	ō	0	ō	Ô	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	10 ppm	Ö	0	0	Ö	0	ŏ	Ö	Ö	0	0	ô	Ō	0	Ô
	30 ppm	0	0	0	0	0	Ö	0	Ô	Ö	0	0	0	0	Ŏ
	90 pm	0	0	0	Ō	Ō	0	Ö	0	0	Ö	0	0	Ö	0
ANTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ō	0	Ō	0	0	Õ	0	0	0
	30 ppm	0	0	0	0	Ö	0	0	0	0	0	Õ	0	Ö	Ö
	90 ppm	0	0	0	0	0	Õ	Ō	Ö	Ö	Ö	Ö	Ö	Ö	0
SORE OF SOLE	Control	0	0	0	0	1	0	1	3	5	2	16	15	6	10
	10 ppm	0	0	0	0	Ô	Ô	5	2	0	ī	11	12	5	8
	30 ppm	0	0	1	Ö	Ö	3	4	0	Ö	6	0	0	6	8
	90 ppm	Ö	Ö	ī	Ö	Ŏ	1	1	0	0	1	0	0	2	2

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 99

linical sign	Group Name	Admini	stration W												
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1 .	1	1	1	1	1
MU	Control	1	1	6	3	8	4	1	0	1	2	7	4	10	6
011	10 ppm	I	1	2	0	14	1	0	0	0	0	1	2	2	2
	30 ppm	Ô	1	3	0	1	3	0	0	1	0	0	4	1	4
	90 ppm	0	0	1	Ö	1	1	0	0	0	0	0	0	Ô	1
YE HEMORRHAGIC DISCHA	Control	5	5	9	7	4	7	3	7	7	7	0	3	7	2
	10 ppm	2	0	5	3	3	2	2	2	1	4	0	Ō	6	6
	30 ppm	0	Ö	0	0	1	0	0	2	Ô	Ô	Ŏ	1	0	3
	90 ppm	0	0	0	0	0	Ō	0	0	0	0	0	ō	0	0
E OPACITY	Control	2	2	3	2	1	1	2	1	1	s 1	1	2	1	1
	10 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	30 ppm	. 1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	1	1	1	1	. 1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DRNEAL OPACITY	Control	1	1	2	1	0	0	1	0	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
a.	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRE OF SOLE	Control	4	8	20	21	9	24	21	9	15	30	31	32	15	32
	10 ppm	7	4	16	15	6	16	18	11	16	27	31	32	33	34
	30 ppm	0	10	2	10	9	5	12	13	13	22	21	21	31	6
	90 ppm	0	2	0	2	0	0	3	7	2	4	5	3	12	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
eu n	Contral	5	7	4	5	8	2	1	5	9	6	4	6	7	11
on	10 ppm	4	5	3	4	10	1	3	1	5	7	2	2	2	1
	30 ppm	3	3	1	4	3	5	2	Ô	1	7	4	Õ	3	5
	mag 08	1	0	1	2	1	0	1	0	0	3	2	0	0	0
	ilidd V6	1	V	1	L	1	V	1	V	V	J	2	V	V	V
E HEMORRHAGIC DISCHA	Contral	5	2	1	1	9	2	4	0	5	4	4	3	2	0
	10 ppm	3	0	1	3	2	1	4	0	2	0	2	0	2	0
	30 ppm	0	3	1	4	0 -	0	3	1	1	2	1	2	2	1
	90 ppm	0	0	. 0	1	0	0	0	1	0	2	0	0	0	0
YE OPACITY	Control	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	. 1	1	ī	1	1	1	1	2	2	2	2	2	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ATARACT	Control	1	1	1	I	1	1	1	1	1	1	1	1	1	1
	10 ppm	1	1	1	1	0	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
DRNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ITERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	1	1	1	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0 .	0	0	. 0	0	0	0	0
ORE OF SOLE	Control	38	38	38	39	44	46	44	47	34	44	44	47	47	49
	10 ppm	37	39	38	42	47	44	45	44	42	45	40	48	48	47
	30 ppm	23	30	30	28	28	35	4	41	38	43	44	48	46	46
	90 ppm	4	13	19	18	14	26	1	27	18	36	32	40	31	33

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 101

Clinical sign	Group Name	Admini	stration W	leek-day _											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
GUM	Cantonal	E	0	4	6	•	7	C	0	3	1	6	7	2	5
1011	Control 10 ppm	5 6	8 5	4 4	4	3 5	9	6 6	2 0	2	1	3	1	0	6
		1	3	4	0	3	2	2	1	6	1	3	3	Δ	11
		1	ა 1	-	0	0	1		2	0	0	3	3	0	4
	90 ppm	1	1	4	U	U	1	2	۷	V	V	3	3	U	4
EYE HEMORRHAGIC DISCHA	Control	8	2	0	0	0.	2	2	0	3	1	0	0	2	0
	10 ppm	11	0	1	0	1	1	0	0	0	2	0	0	1	2
	30 ppm	0	0	6	0	0	1	4	2	5	0	1	1	0	3
	90 ppm	0	0	2	0	0	1	2	1	1	1	3	1	0	0
EYE OPACITY	Control	2	2	3	4	3	3	3	3	3	3	4	5	6	6
LIL OI NOITI	10 ppm	1	1	2	2	2	2	2	2	1	1	1	1	1	1
	30 ppm	. 1	1	1	2	2	2	2	2	2	2	2	2	2	2
	90 ppm	1	1	1	1	2	2	2	2	2	3	3	4	4	4
	ilidd vo		1	1	1	2	ь	2	2	L	U	J	-	*	7
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	2
CORNEAL OPACITY	Control	1	0	1	2	1	1	1	1	1	1	2	3	3	4
	10 ppm	Õ	Ö	î	1	î	î	ī	1	Ō	Ō	0	Ō	0	0
e e	30 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	1	0	0	0	0	1	1	2	2	2
ANTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	ő	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	Ö	0	Ő	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	ő	Ö
SORE OF SOLE	Contral	48	50	50	47	49	50	49	49	50	50	50	50	50	50
South of Bolle	10 ppm	47	48	48	47	49	49	49	50	50	50	50	50	50	50
	30 ppm	46	38	49	49	49	48	50	49	50	49	49	47	49	50
	90 ppm	28	26	43	24	36	42	44	43	47	38	46	44	43	46

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
UM	Control	5	11	8	3	9	0	0	3	8	12	2	12	8	5
	10 ppm	8	7	5	1	5	0	0	1	3	4	1	4	2	1
	30 ppm	2	0	0	0	0	3	7	2	1	0	3	0	1	2
	90 ppm	1	0	0	0	0	3	4	1	0	0	1	0	1	0
YE HEMORRHAGIC DISCHA	Control	3	0	8	1	0	0	0	5	0	1	4	0	0	0
	10 ppm	5	0	6	0	0	0	0	4	0	0	1	0	0	0
	30 ppm	0	0	0	2 .	2	1	0	3	0	0	0	0	1	1
	90 ppm	1	0	0	2	1	1	0	1	0	2	0	0	0	0
YE OPACITY	Control	6	6	6	6	6	6	5	8	6	7	7	9	9	7
	10 ppm	. 2	2	2	2	2	2	2	2	1	1	1	1	1	1
	30 ppm	2	2	2	2	2	2	2	2	2	3	3	3	4	2
	90 ppm	4	4	4	4	4	4	4	4	4	5	5	4	5	3
ATARACT	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	10 ppm	1	1	0	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ORNEAL OPACITY	Control	4	4	4	4	4	4	3	6	5	6	6	8	8	6
	10 ppm	1	1	2	1	1	1	1	1	0	0	0	0	0	0
•	30 ppm	1	1	1	1	1	1	1	1	1	2	2	2	3	1
	90 ppm	2	2	2	2	2	2	2	2	2	3	3	2	3	1
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORE OF SOLE	Control	47	50	50	50	50	50	50	50	50	48	49	50	47	48
	10 ppm	50	50	49	50	49	50	50	50	49	49	48	48	48	48
	aq ppm	50	50	50	50	50	50	50	50	50	50	50	50	49	49
	90 ppm	46	46	46	46	46	46	46	46	46	46	45	45	45	43

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 103

Clinical sign	Group Name	Admini	istration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
GUM	Control	5	2	3	0	5	4	8	6	2	2	2	5	8	8
	10 ppm	1	0	2	0	1	3	3	5	4	7	3	3	4	3
	30 ppm	0	7	1	0	2	1	1	1	1	1	0	0	0	0
	90 ppm	0	5	0	0	2	1	2	2	2	1	1	1	2	3
YE HEMORRHAGIC DISCHA	Control	1	3	3	0	5	1	1	5	2	2	2	0	1	0
	10 ppm	1	4	1	0	2	0	1	4	3	2	3	0	0	2
	30 ppm	1	0	Ô	Ö	0	1	0	1	2	1	Ö	1	2	2
	90 ppm	Ō	0	0	0	0	1	0	3	1	1	1	2	0	0
YE OPACITY	Control	7	7	7	0	7	7	7	9	9	9	10	10	10	10
	10 ppm	1	1	1	0	1	1	1	2	2	2	3	2	2	5
	30 ppm	. 2	3	3	0	3	3	3	3	3	3	2	4	4	5
	90 ppm	6	5	4	0	4	6	6	6	6	6	6	7	7	7
ATARACT	Control	2	2	2	0	2	2	2	2	2	2	2	2	2	2
	10 ppm	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	0	1	1	1	1	1	1	.0	0	0	0
	90 ppm	2	2	2	0	2	2	2	2	2	2	2	2	2	2
ORNEAL OPACITY	Control	6	5	6	0	6	6	6	8	8	8	9	9	9	9
	10 ppm	0	0	0	0	0	0	0	1	1	1	2	1	1	4
	30 ppm	1	2	2	0	2	2	2	2	2	2	2	4	4	5
	90 ppm	4	3	2	0	2	4	4	4	4	4	4	5	5	5
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORE OF SOLE	Control	48	47	47	0	46	44	44	44	44	44	44	44	44	43
	10 ppm	48	48	48	0	47	47	47	47	46	46	45	43	43	43
	30 ppm	49	47	49	0	49	49	49	48	48	48	47	46	47	46
	90 ppm	44	44	43	0	43	41	41	41	41	40	39	39	39	38

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Admin	istration (Veek-day _					
		97-7	98-7	99-7	100-7	101-7	. 102-7	103-7	104-7
		1	1	1	1	1	1	1	1
GUM	Control	7	7	6	8	6	5	6	6
	10 ppm	4	3	2	2	3	2	2	1
	30 ppm	0	0	0	0	1	0	0	0
	90 ppm	3	3	2	1	1	1	1	1
EYE HEMORRHAGIC DISCHA	Control	1	1	2	3	2	3	1	2
	10 ppm	5	1	0	1	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	1	1
EYE OPACITY	Control	10	10	10	11	11	15	15	16
	10 ppm	. 5	5	5	6	6	6	5	6
	30 ppm	5	5	5	6	6	5	5	5
	90 ppm	7	6	6	6	6	6	6	6
CATARACT	Control	2	2	2	2	2	2	2	2
	10 ppm	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0
	90 ppm	2	2	2	2	2	2	2	2
CORNEAL OPACITY	Control	9	9	9	10	10	15	15	16
	10 ppm	4	4	4	· 5	5	5	4	5
	30 ppm	5	5	5	6	6	5	5	5
	90 ppm	5	4	4	4	4	4	4	4
ANTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0
SORE OF SOLE	Control	43	43	42	41	41	41	40	39
	10 ppm	43	41	41	40	40	38	37	36
	30 ppm	45	44	42	42	42	41	41	41
	90 ppm	38	37	36	35	35	35	35	34

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 105

linical sign	Group Name	Admini	stration W	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELECT OF TEETH	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	-	0	0	-	0
									-		0	-	•	0	-
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	ő	0	0	0	0
	90 ppm	Ö	Ô	0	0	0	0	0	0	0	0	0	0	0	0
	OV PPIII	Ť	v	v		v	v	v	v	v	v	v	v	v	v
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*	10 ppm	Õ	0	Ŏ	ő	0	ő	0	0	0	0	0	0	0	0
	30 ppm	Ö	Ö	0	0	0	Ő	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	ó	0	0	0	0	0	0
	ov bbili	v	V	v	V	V	v	V	V	V	V	V	V	V	v
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	av hhiii	v	V	V	V	v	U	v	U	V	V	v	v	v	U

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 106

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	277
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
THE OF MATERIA				_		_		_							
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	1	1	0	0	0	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ŏ	Ö	Ŏ	0	0	Ö	Ö	0	0	0	Ŏ	0	0	Ŏ

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 107

linical sign	Group Name	Admin	istration W								·				
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
FECT OF TEETH	Continu	1	,	1	,	0	1	٥	^	•	•	•	•	٥	0
FECT OF TEETH	Contral 10 ppm	1	1	1 0	1 0	0	0	0	0	0	0	0	0	0	0
		0	-			0	-		0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ERNAL MASS	Control	0	0	0	. 0	0	0	0	0	0	. 0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	. 0	0	0	0	0	0	0	0	Ö	0	Ö	0	Ö	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	Ŏ	0	0	Ô
	30 ppm	Ŏ	0	Ö	Ö	Ö	0	0	Ö	Ô	0	0	0	0	0
	90 ppm	0	0	Ö	Ö	0	0	0	Ö	0	0	0	Ö	Ö	Ö
ERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAL CAVITY	Control	0	0	0	0	٥	. 0	^	0	0	0	0	0	0	٥
MAL CAVIII				-	-	0		0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 108

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		_					_	_							
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
CTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	1	1	1	1	2
	30 ppm	0	2	1	3	1	2	4	5	4	4	4	4	3	3
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0 1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	.0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	0	0	0	0 -	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 109

Clinical sign	Group Name	Admini	stration W	leek-day	-										
		56-7	57~7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	- 1	1	1	1	1	1	1	1
					· · · · · · · · · · · · · · · · · · ·					•					
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	1	1	1	1	1	2	2	2	2	3	3	3	3
	10 ppm	. 2	2	2	2	2	2	2	2	2 .	2	2	3	2	2
	30 ppm	. 2	2	2	2	3	4	3	3	3	2	2	2	2	2
	90 ppm	0	0	0	0	1	3	3	3	3	3	3	3	3	3
NTERNAL MASS	Control	0	0-	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
· ·	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 110

linical sign	Group Name	Admin	istration W	leek-day									,		
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEFECT OF TEETH	Control	٥	^	•	•	•	•	•							
creat or regin	Control 10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0		0	•	ŭ	0	0	0	0	0	0	0
	90 ppm	0	0		0	0	0	0	0	0	0	0	0	0	0
	an bbu	U	V	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	30 ppm	0	0	0	0	0	Ö	ŏ	0	Ô	Ō	ŏ	0	Ö	Ö
	90 ppm	0	. 0	0	0	0	0	0	0	0	0	0	Ö	Ö	0
(TERNAL MASS	Control	3	3	3	3	3	3	2	3	4	5	5	4	4	6
	10 ppm	2	2	2	3	2	2	2	3	2	3	2	3	3	3
	30 ppm	. 2	2	2	2	2	2	2	2	2	2	. 2	3	4	5
	90 ppm	3	3	4	4	3	3	4	4	6	6	8	8	7	5
ITERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	10 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
•	90 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	1	1	1	1	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	Ō	Ō	ō	0	Ŏ	Ő
•	30 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	1	1	0	Ô	ō
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	Ô	Ö	0	0
	30 ppm	0	0	0 -	0	0	0	0	Ö	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	Ō	0	0	0	0	0	ő	0
MANDIBULAR	Control	0	0	0	0	0	0	0	0	1	1	1	0	1	1
	10 ppm	0	0	0	0	0	0	0	0	ō	Õ	ō	0	ō	Ô
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ŏ	Ö
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	ő

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 111

Clinical sign	Group Name	Admin	istration W	leek-day _											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	7	6	6	0	6	6	6	7	6	7	7	7	8	9
	10 ppm	. 3	3	3	0	3	4	4	5	5	5	7	5	5	5
	30 ppm	4	4	4	0	8	9	9	8	10	10	11	12	12	12
	90 ppm	5	4	4	0	5	4	5	5	5	4	4	6	6	6
NTERNAL MASS	Control	1	1	1	0	0	0	0	0	0	1	1	1	1	2
	10 ppm	0	0	1	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	1	1	0	1	0	0	1	1	1	0	0	1	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	30 ppm	1	1	0	0	1	2	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	, 0	0	0	1	1	1	0	0	1	1	1
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0 -	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.MANDIBULAR	Control	1	2	2	0	2	2	2	2	2	2	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	Ö	0	0	0	0	Ö	Ö	Ö
	90 ppm	0	0	0	0	0	0	Ŏ	0	0	0	0	0	Ö	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 112

Clinical sign	Group Name	Admini	stration W	eek-day							
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1	1		
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0	÷	
EXTERNAL MASS	Control	10	11	11	10	11	11	12	12		
	10 ppm	. 5	4	5	5	5	8	7	7		
•	30 ppm	12	13	12	13	14	14	15	14		
	90 ppm	6	5	6	7	7	7	6	8		
INTERNAL MASS	Control	2	2	2	1	3	3	3	3		
	10 ppm	1	0	0	0	0	1	1	1		
	30 ppm	1	1	1	3	3	2	2	2		
	90 ppm	0	1	1	1	1	1	1	0		
M.PERI MOUTH	Control	0	0	0 .	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	1	1	1	1	1	1	2	3		
ORAL CAVITY	Control	1	1	1	1	1	1	1	1		
	10 ppm	0	0	- 0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
M.MANDIBULAR	Control	2	2	2	1	1	1	1	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0	•	
	90 ppm	0	0	0	0	0	0	0	0		

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 113

Clinical sign	Group Name	Admini	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
V ELD	0	•	•	•	•	•		•		•		•	•	•	•
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	•	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	U	U	U	0	0	0	0	0	0	0	U	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0 .	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Ō	Ö	0	Ō	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Õ	0
	90 ppm	0	0	0	0	Ō	Ō	0	Ö	Ö	Ö	Ö	Ö	0	Ö
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	Ö	0	Ö	0	Ö	0	0	Ö	Ō
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	Ö	0	Ö	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 114

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	257	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TAN															
I.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	Ō	0	0	0	Õ	0	0	0
	30 ppm	0	0	ō	Ö	0	Ö	Ö	Ö	Ö	0	0	0	0	0
	90 ppm	0	0	0	Ō	0	0	Ö	0	Ö	. 0	0	Ö	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ô	Ő	Ŏ	0	0	0	Ő	0	ő	0	0	0	0	0
	30 ppm	. 0	0	Ŏ	0	0	Ö	0	Ö	Ö	0	Ŏ	0	0	0
	90 ppm	Ō	Ö	Ö	0	0	Ö	Ö	Ö	0	Ö	ő	0	0	Ö
I.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	Ö	ő	0	0	0	0	0	0	0	0	0	0	0
I.BREAST	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
· · · · · · · · · · · · · · · · · · ·	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I. ABDOMEN		0	^	•	0	0	•	•		٠					,
I. ADWIEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	.0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	Ŏ	0	ŏ	0	0	0	0	Ö	Ö

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 115

linical sign	Group Name	Admini	stration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1 .	1	1	1	1	1	1	. 1	1	1	1	1	1	1
I.EAR	Contral.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 mag	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 00	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

PAGE : 116

linical sign	Group Name	Admini	istration	√eek-day _											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
- Litt	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Ö	0	0	0	0	0	0	0	0	Ö	0	0
PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	•	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maa 08	U	U	U	U	V	V	U	U	U	U	U	U	U	U
ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 117

Clinical sign	Group Name	Admin	istration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
I.EAR	C1	•	•		•		•								
. CAK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm 30 ppm	0		0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0 .	0	0	0	0	0	0	0	0	0	0	0	0
.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	Ö	0	0	Ŏ	0	0	Ö	0	0	0	0	0
	90 ppm	0	0	-0	0	0	0	0	0	Ō	0	Ō	0	Ö	Ō
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ö	0	Ö	0	0	0	٨	0	0	0	0
	30 ppm	Ŏ	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Ő	Ö	ő	0	ŏ	0	0	Ő	0	0	0	0
.BREAST	Candon-1	0	0	^	0	^	0	٥	0	•		•	^	•	•
. DREASI	Control	0	1	0 1	0 1	0	0	0	0	0	0	0	0	0 1	0
	10 ppm 30 ppm	0	0	0		0	1	*	*	1	1	1	0	*	
	30 ppm mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		V	V	U	V	U	U	U	U	U	U	U	U	U	U
. ABDOMEN	Control	0	1	1	1	1	1	2	2	2	2	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	1	1	1	1	1	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	Ô	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 118

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
									····						
LEAR	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
1.PERI EAR	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.BREAST	Control	1	1	1	1	1	1	1	1	1	1	0	1	1	1
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
1. ABDOMEN	Control	2	2	2	2	2	1	1	2	2	1	2	1	1	3
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	0	0	0	0 .	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 119

Clinical sign	Group Name	Admini	stration W	leek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
													٠		
M.EAR	Control	0	2	1	0	1	1	1	1	1	1	1	1	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mad 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI EAR	Control	2	0	1	0	1	1	1	1	1	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1. NECK	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
1.BREAST	Control	1	0	0	0	0	0	0	1	0	0	0	0	0	1
	10 ppm	1	1	1	0	1	1	1	1	i	ĺ	1	1	1	1
.*	30 ppm	1	1	1	0	1	1	1	1	1	1	2	2	2	2
	90 ppm	1	1	1	0	1	0	0	0	ō	0 .	0	0	1	1
M. ABDOMEN	Control	3	3	3	0	3	3	3	3	3	3	3	3	3	3
	10 ppm	0	0	0	0	0	1	1	2	. 2	2	2	0	0	0
	30 ppm	0	0	0	0	0	0	î	1	2	2	2	5	5	5
	90 ppm	Ŏ	Ö	Ö	Ö	Ö	Ö	0	Ō	Ö	0	0	ő	Ö	0
1.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ö	0	0	0	0	0	0	0	Ö	Ö	Ö
	30 ppm	0	0	0	0	0	0	0	Õ	0	0	0	0	Ö	0
	90 ppm	0	Ŏ	0	Ŏ	0	0	0	0	Ö	0	0	0	0	Ö
	[•	•	ŭ	•	•	•	v	·	v	v	v	•	•	,

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 120

Clinical sign	Group Name	Admini	istration W	leek-day							
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		`1	1	1	1	1	1	1	1		
M.EAR	Control	2	2	2	2	2	2	2	2		
	· 10 ppm	0	0	0	0	0	0	0	0	,	
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
M.PERI EAR	Control	0	0	0	0	0	0	0	0		
AFFARE	10 ppm	0	0	0	Ö	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
	MQQ U6	V	U	U	U	U	U	U	U		
M.NECK	Control	0	0	0	0	0	0	0	0		
	10 ppm	. 0	0	0	0	0	0	0	0		
	30 ppm	. 0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
M.FORLIMB	Control	0	0	0	0	0	0	0	0		
	10 ppm	Ō	0	0	0	Ô	1	1	ő		
	30 ppm	0	ő	Ö	0	0	0	0	0		
	90 ppm	1	1	1	1	1	1	1	1		
	ov ppili	1	1	1	1	1	1	1	1		
M.BREAST	Control	2	3	3	3	3	3	4	4		
	10 ppm	1	1	1	1	1	1	1	3		
-	30 ppm	2	2	2	2	2	2	2	2		
	90 ppm	1	1	1	1	1	1	1	1		
M.ABDOMEN	Control	3	3	3	3	3	4	4	4		
***************************************	10 ppm	0	0	1	0	. 0	2	2	2		
	30 ppm	5	5	4	5	6	6	6	6		
	90 ppm	0	0	1	5 2	2	2	2	2		
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 121

Clinical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
												•			
1.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ANUS	Control	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NENIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 122

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.INTERSCAPULUM	Contral	0	0	^	۸	0	٥	٥	٥	٥	٥	•	^	^	•
. IN I ENSONI OLON	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	=			•	•	•	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	U	U	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ö	Ŏ	Ö	ŏ	Ő	0	Ö	Ö	0	0	0
	30 ppm	. 0	0	0	ŏ	Ŏ	Ö	ŏ	Ŏ	Ö	Ö	Ö	0	0	0
	90 ppm	Ö	Ö	Ö	0	Ö	0	0	0	0	Ö	Ö	Ö	Ö	ő
.GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	10 ppm	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	oo ppiii	V	V	V	V	v	V	V	V	V	v	v	U	V	U
.ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	IO ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ô	0	0	0	0	Ö	0	0	0	0	0	0	0
	30 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ő	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov ppiii	v	v	V	v	v	V	V	V	V	V	V	v	v	V
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 123

linical sign	Group Name	Admini	stration W	leek-dav											
	and and	28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0 -	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 124

linical sign	Group Name	Admini	stration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	1	1	0	1	1	2	2	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. •	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	Ó	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	. 0	0	0	0	0	0	1	1	1	1	1
	30 ppm	0	1	0	2	0	1	2	2	1	2	2	2	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0 "	0	0	0 .	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX: FEMALE

PAGE: 125

linical sign	Group Name	Admin	istration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
				· · ·				-							
.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
.ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-Ai	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	0
	30 ppm	0	0	0	0	1	2	1	1	1	0	. 0	0	0	0
	90 ppm	0	0	0	0	0	1	1	1	1	1	2	2	2	2
NEMIA	Control	0 -	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 126

Clinical sign	Group Name	Admini	stration W	eek-day											•
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	. 1	1	1	1	1	1	1	1	1
1.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	0	0	0	1	0	1	0	1	1	1
	30 ppm	1	1	0	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	90 ppm	1	1	1	1	1	1	2	2	3	3	3	3	3	3
.ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maa 01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	. 1	1	1	1	1	1
.TAIL	Control	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	2	2	3	3	2	2	2	2	3	2	4	4	3	1
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	10 ppm	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	90 ppm	0	0	0	0	2	0	0	1	1	2.	1	1	1	2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 127

Clinical sign	Group Name	Admini	stration W	eek-day										•	
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
M. INTERSCAPULUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	0	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	2	2	0	2	2	2	2	2	2	2	2	2	3
	30 ppm	2	2	2	0	5	5	5	4	4	4	4	4	4	4
	90 ppm	2	2	2	0	2	2	2	2	2	2	2	2	2	2
M. ANUS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	ao pim	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	1	1	1	0	0	0
	90 ppm	2	1	1	0	1	1	1	1	1	1	1	2	2	2
ANEMIA	Control	1	1	2	0	. 1	0	0	0	0	0	0	0	1	1
	10 ppm	0	1	1	0	0	0	0	1	0	1	1	0	0	0
	30 ppm	0	0	0	0	1	1	1	0	1	2	1	1	1	1
	90 ppm	1	0	2	0	3	1	2	2	2	3	3	2	2	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 128

Clinical sign	Group Name	Admini	istration W	leek-day					
		97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1	1	1
		_					•	•	
V TUMBBOOLBUV III									
M.INTERSCAPULUM	Control	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	- 0	0	0	0	0	٥
OSIZATON DORDON	10 ppm	0	0	0	0	0	0		0
								0	0
	30 ppm	1	1	1	1	1	1	1	2
	90 ppm	0	0	. 0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	í	1	1	1	0
	30 ppm	. 0	0	1	1	1	1	1	1
	90 ppm	Ö	Ö	0	Ô	0	0	0	0
	av þþill	v	v	V	V	V	V	V	U
1.GENITALIA	Control	0	0	0	0	1	1	1	2
	10 ppm	3	2	2	3	3	3	2	2
	30 ppm	4	4	3	3	3	3	3	4
	90 ppm	2	1	1	1	1	1	0	0
M.ANUS	Control	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	۸	٥	^	٨	^
H.INID					0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0
	30 ppm	0	1	2	2	2	2	3	1
	90 ppm	2	2	2	2	2	2	2	3
ANEMIA	Control	1	2	3	1	2	3	2	0
	10 ppm	ž	0	0	0	0	0	0	0
	30 ppm	1	2	1	3	3	3	2	1
	90 ppm	1	0	0	0	1	1	1	0
	ov ppili	1	v	V	v	1	1	1	v

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 129

Clinical sign	Group Name	Admini	stration We	ek-day _											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm .	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0 -	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
QUAMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maq 08	0	0	0	0	0	0	0	0	0	0	- 0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	Ö	Ö	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 130

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ō	Ö
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	. 0	1	4	4	1	3	12	10	9	11
	10 ppm	0	0	0	4	2	6	4	7	6	2	13	12	14	14
	30 ppm	. 0	0	0	0	0	0	12	11	9	20	19	14	12	22
	90 ppm	0	0	0	0	3	3	10	7	1	12	11	2	11	17
QUAMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	Ô	0	Ō
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	Ö	0	0	0	Ö	0	0	0
	90 ppm	0	0	ŏ	Ö	Ô	ŏ	Ö	ő	Ő	ő	ő	Ö	Ö	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	Ō	Ō	0	Ö	0	Ô	Ö	0	0	0	. 0
	30 ppm	. 0	0	0	0	Ŏ	0	Ö	0	0	0	0	0	0	0
	90 ppm	Ö	Ö	ő	Ö	ő	Ö	Ö	0	0	Ö	Ö	Ö	Ö	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	Ö	Ō	Ŏ	0	Õ	0	0	0	Õ	ő
	30 ppm	0	Ō	Ô	0	0	Ő	Ŏ	Ô	0	0	0	0	0	0
	90 ppm	Ö	0	Ŏ	Ŏ	0	Ô	ő	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 131

Clinical sign	Group Name	Admini	istration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
JAUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JLCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	5	7	10	9	9	6	5	2	1	6	0	9	4	4
	10 ppm	15	12	11	9	10	10	6	3	1	8	3	9	6	9
	30 ppm	21	23	10	23	26	26	25	21	20	22	19	13	22	15
	90 ppm	16	16	8	17	12	10	16	15	14	16	12	9	20	15
SQUAMA	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
IEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	1	0	0	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	Ō	0	2	2	2
RREGULAR BREATHING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 132

linical sign	Group Name	Admin	stration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
AUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	Ö	0	0	0	0	0	0	0	0
	90 ppm	Ö	ő	ő	0	0	0	0	0	0	0	0	0	0	0
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	1	0	1	1	1	1	1	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USTA	Control	4	5	2	3	5	7	4	2	7	2	3	5	3	2
	10 ppm	. 9	10	9	12	2	14	8	11	11	9	9	10	9	9
	30 ppm	14	21	12	27	4	13	11	16	9	22	15	10	10	16
	90 ppm	9	16	10	21	1	9	9	9	10	13	13	9	12	11
UAMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 .	0	0	0	0	0	0	0	0	0
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RTICOLLIS	Control	1	1	0	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	1	1	1	1	0	1	1	1	1	1	1	1	1	1
	maa 08	0	0	1	1	1	0	0	1	1	1	1	1	0	1
	90 ppm	1	1	2	2	1	1	1	1	1	1	1	1	1	1
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 2

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

PAGE: 133

Clinical sign	Group Name	Admin	stration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
JAUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
ILCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	.0	0
CRUSTA	Control	6	4	6	6	6	6	8	6	5	4	4	5	3	8
	10 ppm	12	14	14	16	16	13	14	13	11	12	12	12	10	11
	30 ppm	11	8	4	12	22	27	23	29	30	33	35	34	34	34
	90 ppm	7	4	4	9	12	16	16	18	27	24	25	25	23	24
SQUAMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	. 10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IEMORRHAGE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	2	2	2	1	2	2	2
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	0	1	1	1	1	1
	90 ppm	1	1	1	1	1	1	1	1	1	1	2	2	1	2
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	0	Ö	0	0	0	0	2	1	1	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 134

linical sign	Group Name	Admini	stration W	eek-day _											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
UNDISE	Control	٥	0	0	٥	^	٥	٥	2	0	۰	٥	•	۸	•
TONDISE	Contral 10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0		0	-	-	0
	90 phili	V	U	U	U	U	U	U	U	V	1	U	0	0	0
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USTA	Control	6	10	8	8	8	8	8	6	7	6	4	5	3	5
	10 ppm	. 14	14	18	13	13	14	13	9	9	6	7	9	6	8
	30 ppm	34	32	28	20	21	17	20	20	24	23	21	21	20	15
	90 ppm	22	20	18	14	16	13	13	16	19	18	14	18	18	7
JAMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	10 ppm	0	0	Ö	ő	Ŏ	Ŏ	Ö	Ö	1	Ŏ	ŏ	0	ŏ	0
-	30 ppm	0	0	0	0	Ö	0	Ö	Ŏ	1	0	0	Ô	Õ	. 0
	90 ppm	Ö	0	Ŏ	Ö	ŏ	Ö	0	0	0	0	0	Ö	0	0
RTICOLLIS	Control	2	2	2	2	1	2	2	2	2	2	2	2	3	2
	10 ppm	2	2	2	2	2	2	2	2	1	1	1	1	3 1	1
	10 ppiii maa 08	1	1	1	1		1	1	1	. 1	1	1	1	1	1
	90 ppm	2	2	1	2	1 3	2						-		
	an bbill	4	۷	1	۷	3	Z	3	3	3	2	3	3	4	3
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	1	1	2	1	1
	10 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	.0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	1	1	2	1	1	2	2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 135

Clinical sign	Group Name	Admini	stration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
IAUNDISE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	6	5	7	0	8	7	7	7	7	6	6	6	6	6
	10 ppm	6	6	8	0	8	7	7	7	7	7	7	7	6	7
	30 ppm	13	11	11	0	11	12	12	12	12	12	11	13	13	13
	mqa 08	8	9	4	0	4	4	5	5	5	5	3	3	3	3
GQUAMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	1	0	0	1	1	1	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	1 .	0	0	0	0	0	0
**	30 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	2	1	2	0	2	2	2	2	2	2	2	2	2	2
	10 ppm	1	1	1	0	1	1	1	1	1	1	2	2	2	2
	30 ppm	1	1	1	0	1	1	1	2	2	2	1	1	1	1
	90 ppm	4	4	1	0	1	3	3	3	4	4	4	4	4	4
IRREGULAR BREATHING	Control	1	1	1	0	2	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	1.	0	0	0	0	3	2	5	4	2	2	3
	30 ppm	0	0	0	0	1	1	1	0	0	1	1	1	2	2
	90 ppm	2	2	2	0	3	1	1	1	2	2	1	1	1	1

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 136

Clinical sign	Group Name	Admini	stration W	leek-day							
	• • • • • • • • • • • • • • • • • • • •	97-7	98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1	1		
JAUNDISE	Control	0	0	0	0	0	1	1	1		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	1	0	1	1		
	90 ppm	0	0	Ö	Ő	0	Ö	0	0		
	4. (-1.11)	·	·	·	•	v	v	v	v		
ILCER	Cantrol	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
RUSTA	Control	6	6	5	4	4	6	6	. 6		
	10 ppm	. 6	6	6	7	5	5	5	5		
	30 ppm	13	15	15	16	17	17	17	19		
	90 ppm	3	3	2	3	3	3	3	4		
	oo ppiii	Ü	Ü	2	v	Ü	O	Ů	-		
QUAMA	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0	0		
EMORRHAGE	Control	0	0	1	3	1	1	0	0		
	10 ppm	0	0	0	1	0	0	0	0		
•	30 ppm	0	0	1	0	0	1	0	0		
	90 ppm	0	0	0	0	1	1	0	0		
	'		•	·	·		-	•	•		
ORTICOLLIS	Control	3	3	2	2	2	2	2	2		
	10 ppm	2	2	2	1	1	1	1	1		
	30 ppm	1	1	1	1	1	1	1	1		
	90 ppm	4	4	4	3	3	3	3	3	•	
RREGULAR BREATHING	Control	1	1	1	0	1	1	2	2		
	10 ppm	4	2	2	2	$\hat{2}$	i	0	0		
	30 ppm	0	1	1	0	2	1	1	1		
	90 ppm	2	3	2	2	2	2	1	0		

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 137

Clinical sign	Group Name	Admini	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		2	1	1	1	1	1	1	1	1	1	1	1	1	1
ADVODALL DESERVA									•						
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0 -	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	, 0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
· -	30 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	0	Õ	Ö
	90 ppm	0	0	0	0	0	0	0	0	0	Ō	Ö	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	Ö	0	Õ	0	0	0
	30 ppm	0	0	0	0	0	0	Ŏ	Ö	Ö	0	0	0	0	Ő
	90 ppm	0	0	0	0	0	Ō	0	Ô	Ö	ŏ	Ö	Ö	Ö	Ö
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	Ö	Ö	Ö	Ö	Ô	Õ	ŏ ·	0
	30 ppm	0	0	0	0	0	0	Ō	0	0	Ō	0	0	0	Ö
	90 ppm	Ō	0	Ô	0	Ŏ	0	Ŏ	.0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 138

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	٨
MORINE REST TRITTON	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	ő	Ö	ő	0	0	0	0	0	0	0	0	0	0	0
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ö	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	.0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
ALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	. 10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 139

linical sign	Group Name	Admin	istration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	٥	٥	٥	2	^	٥
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	-	0	0	0	-
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	оо рын	V	V	V	V	V	V	V	V	U	V	U	U	V	U
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	Ō	Ô	Ö	0	0	Ô	Ö	0	0	0	0	0
	30 ppm	0	0	Ö	0	Ö	Ö	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	Ö	Ö	Ö	Ŏ	0	Ö	ő
						-					•	•	-	-	•
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LLOW URINE	Control	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	3	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	. 0	0	0	0	0	0	. 0	0	1	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	٥	^
0.002	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	Ŏ	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0
TO VADOUL TO THE						-	•	•	·	·	*	•	•	•	v
JBNORMAL TEMP	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	Ö	Ö	Ö	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	Ö	0	Ö	0	Ő	0	0	0	0	0	0	0	0
	90 ppm	0	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 140

Clinical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
YELLOW URINE	Control	0	0	0	. 0	0	0	0	0	. 0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	3	0	0	0	10	0	0	0	0	0	0	0	0	0
	90 ppm	2	0	0	1	7	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	Ö	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ö	Ö	0	Ö	Ö
	90 ppm	0	0	0	0	0	0	0	Ō	0	0	0	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	Ö	Õ	Ö	ŏ	Ö	ő	0	Ö	Õ	0	0	0	0	0
	30 ppm	0	0	0	Õ	0	0	0	0	0	Ö	0	Ő	Ő	0
	90 ppm	0	0	0	Ő	0	0	0	0	0	0	1	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 141

linical sign	Group Name	Admini	stration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
BNORMAL RESPIRATION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	2	1	1	0	0
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 maa	0	0	0	0	0	0	0	0 .	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
u.	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	1	0	1	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 142

Clinical sign	Group Name	Admini	stration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
				-											
ABNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	1	1	2	1	1
	10 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	1	1	2	1	1	2	2
RADYPNEA	Control	0	0	0 .	0	0	0	0	0	0	0	0	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	Ö	0	Ŏ	0	0	0
	30 ppm	0	Ö	ō	0	0	0	Ö	0	ő	0	0	Ö	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö	Ŏ
EEP BREATHING	Control	0	0	0	0	0	0	0	0	. 0	0	0	1	1	0
	10 ppm	0	0	0	0	0	0	0	0	Ô	Ô	0	0	0	ő
	30 ppm	. 0	0	0	0	0	Õ	0	0	ŏ	0	Õ	0	0	0
	90 ppm	0	0	Ō	ŏ	Ö	Ö	0	Ö	ő	ő	Ö	0	Ö	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	Ô	0	Ö	1	Ŏ	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	Ö	0	0	Ö	Ö	0
	90 ppm	0	0	0	0	0	0	0	Ö	0	ŏ	0	Ö	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	Ö	Ŏ	0'	Õ	Õ	Õ	0	0	0	0	0	0	0	0
•	30 ppm	o O	Ŏ	Ö	Ö	0	0	0	0	0	0	1	0	0	1
	90 ppm	ő	0	Ö	ŏ	0	Ö	0	0	0	0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	10 ppm	Ô	Ő	Õ	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	Õ	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	ŏ	0	ő	Ö	0	0	0	0	0	0	0	0	0	0
ALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	Ő	Ö	0	0	0	0	0	0	0	0	0
	30 ppm	Ö	0	Ö	0	. 0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 143

Clinical sign	Group Name	Admini	stration W	eek-day											
		84-7	85-7	86-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7
		1	1	1	2	1	1	1	1	1	1	1	1	1	1
DNODWII DEGDIDIRION															
ABNORMAL RESPIRATION	Control	1	1	1	0	2	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	1	0	0	0	0	3	2	5	4	2	2	3
	30 ppm	0	0	0	0	1	1	1	0	0	1	1	1	2	2
	90 ppm	2	2	2	0	3	1	1	1	2	2	1	1	1	1
RADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	- 0	0	0
	aqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0 .	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	. 0	0	0	0	0	0	0	0	0	0	0	Ö	0	Ö
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	1
	90 ppm	0	0	0	0	0	0	0	Ō	1	1	Ö	ŏ	Ö	0
ELLOW URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	1	0	0	0	0	0	0	0	1	Ö	Ŏ	ō
	30 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	Ö	ő
	90 ppm	0	1 .	1	0	1	0	0	1	1	1	0	Ō	Ō	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	1	0	0	0	0	Ō	0	0 .	. 0	0	Ő	0	0
	30 ppm	0	0	0	0	0	0	0	0	Ö	0	0	Ö	0	ő
	90 ppm	0	0	0	0	0	0	Ö	Ö	Ö	0	Ö	ő	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	Ö	0	Ŏ	0	Ö	1	0	0	0	0	0	0
	30 ppm	0	Ô	Ö	0	ő	. 0	1	0	0	1	0	0	0	1
	90 ppm	0	Ō	0	Ö	0	0	Ô	0	ő	1	0	0	0	0
SALIVATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	Ö	0	Ő	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 144

	Group Name										
		97-7	istration W 98–7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1	1		
								11811			
ABNORMAL RESPIRATION	Control	1	1	1	0	1	1	2	2		
	10 ppm	4	2	2	2	2	1	0	0		
	30 ppm	0	1	1	0	2	1	1	1		
	90 ppm	2	3	2	2	2	2	1	0		
BRADYPNEA	Control	0	1	0	0	0	0	0	0		
	10 ppm	0	0	0	0	0	1	. 0	0		
	30 ppm	0	0	0	0	Ö	0	0	1		
	90 ppm	0	0	0	0	0	Ö	Ö	Ô		
DEEP BREATHING	Control	0	0	0	0	0	0	0	0		
	10 ppm	0	Õ	Ö	0	0	0	0	0		
	30 ppm	. 0	0	1	0	0	1	1	1		
	maq 08	0	0	1	1	1	ī	1	0		
YELLOW URINE	Control	1	0	1	0	0	1	1	1		
	10 ppm	0	0	0	0	0	0	0	Ô	•	
	30 ppm	0	0	0	Ö	2	Ö	1	1		
	90 ppm	0	0	0	0	0	0	0	Õ		
LOOSE STOOL	Control	0	1	0	0	0	0	0	1		
	10 ppm	0	0	0	0	0	0	Ö	Ō		
	30 ppm	0	0	0	0	0	0	Ō	Ö		
	90 ppm	0	Ö	Ö	ő	Ö	ŏ	ŏ	ő		
SUBNORMAL TEMP	Control	0	1	0	0	0	0	0	0		
	10 ppm	0	$\bar{1}$	0	Õ	0	1	0	ő		
	30 ppm	0	0	0	Ö	0	Ô	Ő	0		
	90 pm	ő	ő	ő	ŏ	ő	0	0	0		
SALIVATION	Control	0	. 0	0	0	0	0	0	0		
	10 ppm	0	0	Ö	0	0	0	0	Ő		
	30 ppm	Ö	Õ	0	Ő	0	0	0	Ő		
	90 ppm	0	Ö	0	0	0	0	0	0		

APPENDIX A 3

CLINICAL OBSERVATION: SUMMARY, MOSUE: MALE

(2-YEAR STUDY)

STUDY NO. : 0116

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ANIMAL : MOUSE BDF1 ALL REPORT TYPE : A1 104

SEX : MALE

PAGE: 1

Clinical sign	Group Name	Adminis	stration We	ek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1.	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	.0	0	0	0	0	0	0	0	0
PRONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LATERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 3	0	1	1	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0 -	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 2

STUDY NO. : 0116 ANIMAL : MOUSE BDF1 CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

REPORT TYPE : A1 104

SEX : MALE

PAGE: 2

linical sign	Group Name	Λdmini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0 -	0	0	0	0	0	0	0
	90 ppm	1	2	4	4	4	4	4	4	4	4	4	4	4	4
IBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DNE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 .	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	2	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	Ō	Ō	0	Ō	0	Ö	0	Ö	Ö	Ö
ATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 3

linical sign	Group Name	Admin	istration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	1	1	1	2	2	2	2
	90 ppm	4	4	4	4	4	4	4	4	4	4	4	4	4	4
RIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0,	0	0
TERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	- 0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	1	1	1	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 4

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ЕАТН	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	1	î	î	1	î	1	1	î	1	1	1	2	2	2
	30 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	90 ppm	4	4	4	5	5	5	5	5	5	5	5	5	5	5
	ov ppili	4	4	4	J	J	J	J	J	J	U	J	J	J	U
RIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 5

linical sign	Group Name	Admini	stration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	30 ppm	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	90 ppm	5	5	5	5	5	5	5	5	5	5	5	5	5	5
RIBUND SACRIFICE	Control	0	0	0 -	0	0	0	0	0 .	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	2	1	1	1	1	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0 :	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	1	0	1	1	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 6

linical sign	Group Name	Admini	stration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	. 1	1	1	1	1	1	1
517 A ⁴ 1711	Ct1	,	•	,	,	·	,	1		4	,	1	1	1	0
EATH	Control	1	1	1	1	1	1	1	1	1	1	1	1 3	1 3	2 3
	5 ppm	3	3	3	3	3	3	3	3	3	3	3 5	ა 5	5 5	5 5
	30 ppm	4	4	4	4	4	5	5	5	5	5				
	90 ppm	5	5	5	5	5	5	5	5	5	5	5	5	5	5
RIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VTERAL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	1	0	0	0	0	1	1	2	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	1	1	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	0	0	0	1	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DTATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	Ö	Ō	0	0	0	0	0	0	0	0	0
	90 ppm	Ō	0	0	Ö	0	0	0	0	0	0	0	0	0	0

(HAN190)

BAIS 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 7

linical sign	Group Name	Admin	istration W	eek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
- 1 mv															
EATH	Control	2	4	4	4	4	4	4	4	5	5	5	5	6	6
	5 ppm	3	3	3	3	3	3	4	4	5	6	6	6	6	6
	30 ppm	5	5	6	6	6	6	6	6	6	7	7	7	7	7
	90 ppm	5	5	6	6	6	6	7	7	7	8	8	9	9	10
RIBUND SACRIFICE	Contral	0	0	0	2	2	2	2	2	2	2	2	2	3	5
	5 ppm	1	1	1	1	1	1	1	1	1 .	1	1	1	1	1
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0 .	0	0	0	0	.0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	1	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TERAL	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
NCHBACK POSITION	Control	2	1	2	1	1	1	1	1	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	5 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 8

linical sign	Group Name	Admini	stration						
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
EATH	Control	6	7	7	7	7	7	8	
	5 ppm	6	7	8	8	9	10	10	
	30 ppm	8	8	8	8	9	9	10	
	90 ppm	10	10	10	11	12	12	12	
RIBUND SACRIFICE	Control	5	8	8	9	9	9	9	
	5 ppm	1	1	1	1	1	1	2	
	30 ppm	1	1	1	2	3	3	4	
	90 ppm	0	1	1	1	1	1	1	
RONE	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	. 0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
ATERAL	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	
	5 ppm	1	0	0	0	1	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
DTATING	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 9

Clinical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILEPSY	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0,	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	1	1	1	0	1	0	0	0	0	0	0
	90 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	1	0	0	0	0	4	2	4	1	0	0	16
	5 ppm	0 .	1	3	0	0	0	0	2	4	3	4	4	0	12
	30 ppm	0	1	2	1	0	3	0	6	4	2	0	0	1	1
	90 ppm	0	3	5	12	7	1	0	11	6	3	0	1	1	2
OSS OF HAIR	Control	0	0	2	4	5	8	9	12	17	19	20	19	20	19
	5 ppm	0	2	3	5	4	4	5	6	7	10	17	18	18	14
	30 ppm	0	0	2	6	6	6	6	10	14	16	17	17	14	15
	90 ppm	0	1	1	5	10	9	6	14	13	17	14	16	17	20

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 10

Clinical sign	Group Name	Admini	istration W	eek-day _											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPILEPSY	Control	0	0	0	1	0	2	1	0	1	1	0	1	0	3
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	30 ppm	. 0	0	0	0	0	0	0	1	2	0	0	0	0	2
	90 ppm	0	0	0	0	0	0	0	1	1	0	1	0	0	0
VASTING	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	1	0	0	1	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	1	0	0	0	2	2	0	4	0	0	0	0	0	0
	5 ppm	0	0	3	0	2	1	0	0	0	1	0	0	0	0
	30 ppm	0	0	3	4	1	2	9	6	3	4	9	2	8	1
	90 ppm	5	0	5	6	3	11	8	12	8	2	14	15	11	0
OSS OF HAIR	Control	17	14	22	18	19	22	25	35	23	39	24	26	26	22
	5 ppm	17	13	16	13	18	20	28	26	24	30	29	24	23	25
	30 ppm	14	15	13	15	18	19	19	20	21	28	22	24	22	25
	90 ppm	17	15	13	20	20	17	19	18	24	24	28	25	27	32

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 11

Clinical sign	Group Name	Admin	istration 🎚	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
PILEPSY	Control	7	5	9	6	9	5	13	3	8	11	11	16	19	9
	mag 3	1	1	2	2	3	0	2	2	3	0	3	0	5	4
	30 ppm	. 0	3	1	0	1	1	2	3	2	2	2	4	5	6
	90 ppm	0	2	0	0	0	0	2	0	1	0	0	1	3	0
MASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maa 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	1	3	2	1	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	1	0	1	0	0	0	0	1	1	0	0	0
	30 ppm	4	6	1	1	1	1	4	0	0	0	0	0	1	0
	mqq 08	15	18	0	0	0	0	0	0	1	0	1	0	1	1
OSS OF HAIR	Control	30	28	29	20	26	27	26	19	24	24	23	23	23	24
	5 ppm	27	31	30	25	31	34	33	32	33	32	35	33	37	35
	30 ppm	25	30	24	22	23	23	27	23	25	26	26	26	23	23
	90 ppm	32	34	30	29	27	26	29	27	29	30	29	33	33	33

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 12

ROLLING Control D O O O O O O O O O O O O	Clinical sign	Group Name	Admini	istration V	√eek-day						· · · · · · · · · · · · · · · · · · ·					
ROLLING Control 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
Signature Sign			1	1	1	1	1	1	1	1	1	1	1	1	1	1
S Dem	OLLING	Control	٥	٨	0	0	٥	٥	0	٥	٥	٨	٥	٥	٨	0
SCITEMENT Control O O O O O O O O O	OLLING												•	-		0
SCITEMENT Central 0																0
EXCITEMENT Centrol 5 perm 0 0 0 0 0 0 0 0 0 0 0 0 0													•	•		0
S DEM O O O O O O O O O		an bbw	U	U	U	U	U	U	U	U	U	U	U	U	U	U
PILEPSY Control 14 11 21 17 15 13 15 8 15 15 21 25 13 2. Spen 9 8 8 8 6 8 4 9 11 9 8 15 26 12 22 30 pcm 3 6 2 2 5 3 3 6 2 5 5 7 16 10 23 10 9 11 9 pcm 0 4 0 5 5 3 6 2 5 9 6 13 6 4 5 pcm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	XCITEMENT		0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILEPSY Control 14 11 21 17 15 13 15 8 15 15 21 25 13 2. Spen 9 8 8 8 6 8 4 9 11 9 8 15 26 12 22 30 pcm 3 6 2 2 5 3 3 6 2 5 5 7 16 10 23 10 9 11 9 pcm 0 4 0 5 5 3 6 2 5 9 6 13 6 4 5 pcm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILEPSY Control 14 11 21 17 15 13 15 8 15 15 21 25 13 2 5 ppm 9 8 8 8 6 8 4 9 11 9 8 15 26 12 2: 30 ppm 3 6 2 5 3 3 5 5 7 16 10 23 10 9 1: 90 ppm 0 4 0 5 3 6 2 5 9 6 13 6 4 MASTING Control 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	0	0	0	0	0	0	0	0	0	0	0	0
Southern Southern		90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Signature Sign	PILEPSY	Control	14	11	21	17	15	13	15	8	15	15	21	25	13	21
30 ppm		5 ppm		8		6				11					12	22
ASTING Control O O O O O O O O O O O O O					2			5	5			10	23	10	9	11
S ppm			0	4				6	2	5		.6	13	6	4	7
S ppm	ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0	0			0	0	0	0	0	0	0	0	0
OILED Control O Control O O O O O O O O O O O O O			0	0						0	0	0	0	0	0	0
5 ppm			0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 ppm 0 0 0 0 0 0 0 0 0	OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				0	0				0	0		0	0	0	0	0
PILOERECTION Control 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0			0	0	0	0		0	0	0	0	0	0	0	0	0
5 ppm 2 0 0 0 0 0 0 2 0 1 1 0 0 0 0 0 0 0 0 0			0	0	0					0	1		0	0	0	0
5 ppm 2 0 0 0 0 0 0 2 0 1 1 0 0 0 0 0 0 0 0 0	LOERECTION	Contral	0	0	0	1	0	0	0	0	1	0	0	2	0	1
30 ppm 0 0 0 0 1 1 1 0 0 2 1 1 0 0 0 90 ppm 0 0 0 0 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0						_					_		0			0
90 ppm 0 0 0 0 0 0 0 0 1 0 0 0 0 1 0 0 1 0 LOSS OF HAIR Control 25 26 26 27 26 27 28 29 27 28 27 27 27 27 27 2 5 ppm 36 35 35 36 34 35 34 34 32 30 30 29 31 3 30 ppm 24 24 26 27 27 30 26 28 28 28 28 28 28 28 28 28											_	1	1		0	0
5 ppm 36 35 35 36 34 35 34 34 32 30 30 29 31 3 30 ppm 24 24 26 27 27 30 26 28 28 28 28 28 28 28 28 28										1			0		0	0
5 ppm 36 35 35 36 34 35 34 34 32 30 30 29 31 3 30 ppm 24 24 26 27 27 30 26 28 28 28 28 28 28 28 28 28	OSS OF HAIR	Control	25	26	26	27	26	27	28	29	27	28	27	27	27	23
30 ppm 24 24 26 27 27 30 26 28 28 28 28 28 28 28 2	• ••••••															31
																28
		90 ppm	32	34	32	31	32	33	32	34	34	32	29	28	30	32

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 13

Clinical sign	Group Name	Admini	stration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
											·				
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPILEPSY	Control	29	13	7	17	22	21	22	6	15	22	12	19	21	23
	5 ppm	21	7	7	20	24	17	21	2	11	19	8	17	23	24
	30 ppm	6	9	24	10	6	22	9	15	18	7	11	13	17	23
	90 ppm	3	7	13	4	8	14	6	7	8	5	7	10	9	11
ASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0 -	2	1	1	1	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	1	1	3	3	3	2	3	3	2	3	4
	90 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
OSS OF HAIR	Control	19	23	22	24	24	24	16	15	16	15	14	13	15	15
	5 ppm	27	30	26	29	29	30	24	22	24	22	20	20	25	26
	30 ppm	28	28	28	27	29	27	28	28	29	30	29	28	21	21
•	90 ppm	32	33	33	29	30	29	28	28	29	29	29	29	24	24

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 14

Clinical sign	Group Name	Admini	istration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	. 1	1	1	1
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maa 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	- 0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	1	1	1	1	0	0	0	0	0	0	0	0
	maa 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPILEPSY	Contral	26	25	20	6	12	3	22	7	14	12	15	16	25	26
	5 ppm	24	26	22	0	3	1	12	6	11	13	20	20	28	24
	30 ppm	23	19	23	21	17	19	10	6	5	3	22	27	20	26
	90 ppm	14	15	18	15	16	14	1	1	0	0	16	17	17	20
WASTING	Control	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 .	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	4	1	1	1	2	3	3	4	4	6	6	6	5	4
	5 ppm	0	0	0	0	0	1	0	0	1	1	1	0	1	0
	30 ppm	3	1	2	2	2	1	2	1	1	1	1	0	0	0
	90 ppm	0	0	0	0	1	1	0	0	1	0	0	0	0	1
LOSS OF HAIR	Control	14	14	14	14	14	14	15	15	14	16	16	11	13	8
	5 ppm	27	25	24	25	22	22	24	24	24	24	25	20	21	17
	30 ppm	22	20	20	22	22	21	20	19	17	17	11	12	12	12
	90 ppm	27	22	23	24	23	23	23	22	22	22	21	20	17	17

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 15

Clinical sign	Group Name	Admin	istration (leek-day _											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
····		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DOLL THE				•				•	•					•	•
ROLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EPILEPSY	Control	25	30	26	13	18	22	19	27	24	20	22	20	22	27
J. 100. 01	5 ppm	26	37	26	18	20	27	28	29	25	26	28	19	28	31
	30 ppm	. 22	21	19	27	22	18	20	20	16	14	21	19	16	17
	90 ppm	18	23	20	16	22	18	18	19	20	13	14	13	17	16
	oo ppiii	10	20	20	10	22	10	10	10	20	10	11	10	11	10
WASTING	Control	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	1	1	1	1	1	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	Ö	1	1
	5 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	4	3	4	2	2	2	2	4	2	3	4	4	5	4
110000011011	5 ppm	0	0	0	1	1	1	1	2	1	0	0	0	1	1
	mag 08	0	1	0	1	0	1	0	0	0	0	0	0	0	2
	90 ppm	1	1	1	1	0	1	0	0	0	0	0	0	1	2
	av ppli	1	1	1	1	v	1	U	V	V	V	V	V	1	1
LOSS OF HAIR	Control	8	9	10	10	10	10	10	10	9	9	7	7	7	6
	5 ppm	17	15	16	16	16	17	17	15	15	13	12	12	9	9
	30 ppm	12	6	6	6	7	4	5	3	3	3	3	2	2	2
	90 ppm	17	17	16	16	16	12	9	- 9	9	9	9	9	9	8

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 16

Clinical sign	Group Name	Admini	istration	Week-day _					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
ROLLING	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
EXCITEMENT	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
EPILEPSY	Control	23	22	21	23	25	23	17	
	5 ppm	24	24	30	31	18	27	24	
	30 ppm	20	24	27	26	24	25	14	
	90 ppm	18	16	20	20	19	20	11	
WASTING	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	1	0	0	
	30 ppm	0	0	0	0	0	0	1	
	90 ppm	0	0	0	0	0	0	0	
SOILED	Control	1	0	0	0	0	0	0	
	5 ppm	0	0	2	2	2	2	1	
	30 ppm	0	1	1	1	3	2	1	
	90 ppm	0	0	0	0	0	0	0	
PILOERECTION	Control	5	3	4	3	5	5	5	
	5 ppm	1	0	2	2	3	2	1	
	30 ppm	2	2	2	1	2	2	2	
	90 ppm	Ī	0	0	0	0	0	0	
LOSS OF HAIR	Control	6	5	5	5	5	5	5	
	5 ppm	8	8	8	8	8	8	8	
	30 ppm	2	2	2	2	2	2	2	
	90 ppm	8	8	5	5	2 5	5	2 5	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 17

Clinical sign	Group Name		stration We												
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKOIIA	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	an hhiii	U	U	U	U	V	U	U	U	U	U	U	U	U	U
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WILED DEDT CENTERTY	Combani	0	0	^	^	•		0			•	•			•
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	1	1	0	0	1	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0 .	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	0	0	0	Ö	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	OA PEN	•	v	v	v	v	v	V	٧	٧	Ū	v	٧	. •	•
W	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0 .
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JIE GINGITI	CUITIFUL mag 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	-		•	•		-
		0	0	0	0 -	0		0		0	0	0	0	0	0
	90 ppm	υ	U	U	U .	V	0	U	0	0	0	0	U	U	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 18

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	. 1	1	1	1	1	1	1	1	1	1	1	1
												·			
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	- 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	3	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	1	0	0	1	0	0	0	0	0	0	0	0
KOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	0 .	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	Control	0	0	0	0	0	0	0	0	0	0	0	0	.0	o o
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
											-				-

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 19

linical sign	Group Name	Admin	stration (leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1 .	1	1	1	1	1	1	1	1	1
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	1	1	1	1	1	0	1	1	0	0	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DILED PERI GENITALIA	Control	0	3	1.	2	10	3	3	0	5	12	12	13	8	1
	5 ppm	. 0	0	1	0	1	0	2	0	1	4	2	8	2	5
	30 ppm	0	0	1	0	0	0	0	0	0	0	0	2	0	2
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
KOPHTHALMOS	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Ж	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
E OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0 .	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 20

linical sign	Group Name		stration W	leek-day _											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		· 1	1	1	1	1	1	1	1	1	1	1	1	1	1
ATIVA		•													
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	1	0	1	1	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OG BELLY	Control	1	1	1	1	1	1	1	1	0	4	1	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	12	17	8	2	9	3	8	0	2	12	5	13	9	13
	5 ppm	. 11	. 6	2	8	2	1	23	5	1	10	14	8	5	8
	30 ppm	0	2	1	1	1	1	1	4	5	0	3	Ő	8	0
	90 ppm	0	0	0	0	ī	3	1	2	1	0	1	Ö	3	0
OPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	Ö	0	0	Ö	0	ő	0
	30 ppm	Ō	Ö	Ô	0	Ö	0	0	0	0	0	0	0	0	0
•	90 pm	Ö	ő	ő	Ö	Ö	Ö	Ö	Ö	0	0	0	0	0	0
CRYMATION	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	5 ppm	0	Ô	Ö	0	0	0	0	0	Ö	Ô	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0
	90 ppm	0	Ö	Ö	Ŏ	Ö	Ö	Ö	Ö	Ö	Ö	0	0	Ö	0
í	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	Ŏ	0	0	Ô	Ö	0	0	0	0	0	0	0	0
	30 ppm	ő	0	0	Ö	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	. 0	Ö	Ö	Ö	Ö	Ö	0	Ö	Ö	Ö	Ö	0	0	0
E OPACITY	Contral	0	0	0	0	0	0	0	0	3	5	4	4	5	5
	5 ppm	0	0	0	0	0	0	0	1	1	2	2	5	5 5	10
	30 ppm	Ő	0	0	Ö	0	0	0	0	1	1	3	14	13	19
	90 ppm	0	0	0	0	0	0	0	0	1	0	3	9	5	15

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 21

linical sign	Group Name	Admini	stration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Dituri	0		•	•		•	۰	•		•	۰	^	•	•	•
RAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm .	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OILED PERI GENITALIA	Control	9	3	2 .	0	6	4	1	2	2	2	. 0	2	1	2
	5 ppm	. 3	1	0	0	1	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	. 0
	90 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
XOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	.0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MU	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	1	0	1	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
YE OPACITY	Control	7	7	9	12	12	12	12	12	13	13	13	13	15	18
	5 ppm	10	9	10	17	17	17	17	17	17	17	17	17	18	19
	30 ppm	19	20	21	21	21	21	22	22	21	22	22	24	24	24
	90 ppm	17	18	19	18	19	18	20	19	18	19	19	19	19	19

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 22

Clinical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0 .	. 0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0.
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	2	3	2	2	3	2	2	2	3	2	2	3	5	1
	5 ppm	0	2	0	0	0	1	0	0	0	0	0	1	2	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	1	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	2
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LACRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 pm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE OPACITY	Control	19	21	21	21	21	21	22	22	22	22	13	13	14	14
	5 ppm	20	20	22	22	25	25	25	25	26	26	0	6	8	9
	30 ppm	24	24	26	27	27	27	27	27	27	27	29	29	29	29
	90 ppm	19	19	19	21	21	22	22	22	22	22	22	24	23	23

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0116 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

PAGE: 23

Clinical sign	Group Name	Admini	stration W	√eek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TD AUM -	a	•													
FRAUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI GENITALIA	Control	2	8	9	3	2	11	13	15	2	1	5	5	5	2
	5 ppm	0	4	4	1	1	5	6	7	1	1	1	2	6	1
•	30 ppm	. 0	0	0	2	2	0	0	0	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	2	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	. 0	0	0	0	0 -	0	0
	5 ppm	0	0	0	Õ	Ö	Ö	Ö	Õ	Ö	Õ	Õ	0	0	0
	30 ppm	0	0	0	0	Ö	Ö	Ŏ	0	Ö	0	0	0	ő	ő
	90 ppm	Ö	Ö	ŏ	Ö	0	ő	Ö	Ö	Ö	0	0	0	Ö	0
EYE OPACITY	Control	14	15	19	17	17	19	19	19	18	18	18	18	17	17
	5 ppm	9	10	17	17	17	17	16	19	19	18	18	24	24	24
	30 ppm	29	30	30	30	30	30	30	30	30	30	30	30	30	30
	90 ppm	22	22	21	20	21	21	21	21	21	21	21	20	20	20

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 24

Clinical sign	Group Name	Admini	stration	Week-day					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
,									
TOLINA	0	•		•					
TRAUMA	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	. 0	0	0	0	
FROG BELLY	Contral	0	0	0	4	0	0	1	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	1	1	0	0	0	0	
SOILED PERI GENITALIA	Control	2	0	0	0	1	1	0	
	5 ppm	0	0	Ô	Ö	2	î	0	
	30 ppm	. 1	Ö	2	1	1	1	1	
	90 ppm	0	Ö	ō	0	Ô	Ô	0	
EXOPHTHALMOS	Contral	0	0	0	0	0	0	0	
	5 ppm	1	1	1	1	1	1	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
LACRYMATION	Control	٥	۸	۸	0	^	0	0	
LACKINATION	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
GUM	Control	0	0	. 0	0	0	0	0	
	5 ppm	Ö	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
	av hhili	V	v	U	v	V	v	U	
EYE OPACITY	Control	17	17	17	17	17	17	16	
	5 ppm	24	25	25	25	25	24	23	
	30 ppm	29	29	31	30	29	28	27	
	90 ppm	20	21	21	23	23	23	23	
	ov ppill	20	27	41	40	20	20	20	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 25

Clinical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5 ppm	0	0	0	0	0	0	0	. 0	0	1	1	0	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	3
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 26

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DRNEAL OPACITY	Control	0	^	^	0	٥	٥	^	0	•	•	•	•	•	•
MNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 -	0	0	0	0	0 .	0	0	0 .	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	0	1	3	3	4	5	. 1	4	5	5	6
	5 ppm	. 0	1	0	0	1	1	1	1	1	1	1	1	1	2
	30 ppm	1	0	1	0	0	0	0	0	0	1	0	0	0	0
	90 ppm	1	0	1	0	0	0	0	0	0	0	0	0	0	0
EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Ö	0	Ö	Ö	0	0	Ö	Ŏ	Ô	0	Ö	Ō
	30 ppm	0	0	0	0	0	0	0	0	Ō	0	0	Ō	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	Ō	0	0
EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	Ô	0	0	0	Ō	Ō	0
	30 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 27

	Group Name	AGHILL	istration W	reek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DRNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILLIE OF NOTT	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OV PPIII	V	V	V	v	V	V	U	v	V	V	V	V	v	v
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	Ō	Ō	Ö	Ö	0	0
	90 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	5	5	5	5	5	5	5	4	4	4	4	4	4	4
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	Ō	0	0 .	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Cantrol	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 28

Clinical sign	Group Name	Admin	istration W	leek-day _											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1		1	1	1	1	1	1	1	1	1	1	1	1
001001	_														
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	3	5	4	4	5	5
	5 ppm	0	0	0	0	0	0	0	1	1	2	2	5	5	10
	30 ppm	0	0	0	0	0	0	0	0	1	1	3	14	13	19
	90 ppm	0	0	0	0	0	0	0	0	1	0	3	9	5	15
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Contral	0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0 ·	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

STUDY NO. : 0116 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

PAGE: 29

linical sign	Group Name	Admin	istration (leek-day _											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DRNEAL OPACITY	Contral	7	7	9	12	12	12	12	12	13	13	13	13	15	18
mibile of horri	5 ppm	10	9	10	17	17	16	17	17	17	17	17	17	18	19
	30 ppm	19	20	21	21	21	21	22	22	21	22	22	24	24	24
	90 ppm	17	18	19	18	19	18	20	19	18	19	19	19	19	19
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KTERNAL MASS	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	0	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
ITERNAL MASS	Control	4	. 4	4	4	4	4	4	4	5	5	5	5	5	5
	mag 5	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	30 ppm	1	1	2	2	4	4	4	4	4	4	4	4	4	4
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	0	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 30

linical sign	Group Name	Admin	stration W	leek-day						·					
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ORNEAL OPACITY	Control	10	01	0.1	01	01	0.1	00	00	00	00	10	10	1.4	1.4
ORNEAL OPACITY	Control 5 ppm	19 20	21 20	21 22	21 22	21 2 5	21 25	22	22 25	22 26	22 26	13 0	13 6	14 8	14 9
	30 ppm	20 24	20 24	22 26	22 27	25 27	25 27	25 27		26 27		29	29	29	
			24 19						27		27				29
	90 ppm	19	19	19	21	21	22	22	22	22	22	22	24	23	23
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	maa 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	. 3	3	3	3
	5 ppm	ō	0	Ō	ō	Ô	Ô	Ō	Ô	Õ	Õ	0	0	Õ	Ō
	30 ppm	. 1	1	1	1	1	0	0	0	1	1	2	2	2	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
VTERNAL MASS	Control	5	5	6	5	6	5	5	7	8	8	5	5	5	5
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	3	3	3	3	3	3	3	2	2	2	2	2	2	3
	90 ppm	0	0	0	0	0	0	1	1	1	2	2	2	2	2
EYE	Control	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	5 ppm	0	0	Ō	0	0	0	0	0	Ō	0	Ö	0	Ö	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0
	90 ppm	0	0	0	0	0	0	Ö	Ō	0	0	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	Ō	0	0	0	0	0	0	0	Ŏ	Ŏ	Ö	0	0	0
	30 ppm	1	1	1	1	1	0	0	Ŏ	Ö	Ö	Ö	Ö	0	0
	90 ppm	ō	ō	ō	Ō	Ô	Ö	0	Ö	0	0	Ö	0	ő	Ö
EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	Ö	Ö	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0.	0	0	0	0
	oo ppiii	v	v	v	v	V	V	v	V	v	V.	v	V	V	V

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 31

inical sign.	Group Name	Admin	istration W												
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
NEAL OPACITY	Control	14	15	19	17	17	19	19	19	18	18	18	18	17	17
	5 ppm	9	10	17	17	17	17	16	19	19	18	18	24	24	24
	30 ppm	29	30	30	30	30	30	30	30	30	30	30	30	30	30
	90 ppm	22	22	21	20	21	21	21	21	21	21	21	20	20	20
ECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0 -	0	0	0
	mag 08	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	3	3	3	3	3	3	3	4	5	5	4	4	3	3
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	1	1	2
	30 ppm	3	4	4	4	5	5	5	5	5 -	5	5	5	5	5
	90 ppm	1	1	1	0	0	2	2	2	1	1	1	1	1	1
TERNAL MASS	Control	7	6	6	3	3	3	3	4	3	3	3	3	3	3
	5 ppm	0	0	1	1	1	1	1	1	0	0	0	0	0	1
	30 ppm	2	2	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	2	2	2	2	2	2	1	1	1	1	1	1	1	1
EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	30 ppm	0	0	0	0	1	. 1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERI MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	- 0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAR	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 32

Clinical sign	Group Name	Admin	istration	Week-day _					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1.	1	1	1	1	1	1	
CORNEAL OPACITY	Control	17	17	17	17	17	17	16	
	5 ppm	24	25	25	25	25	24	23	
	30 ppm	29	29	31	30	29	28	27	
	90 ppm	20	21	21	23	23	23	23	
DEFECT OF TEETH	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
EXTERNAL MASS	Control	3	3	3	3	4	4	3	
	mag 3	. 2	2	2	2	2	2	2	
	30 ppm	5	6	7	7	7	7	6	
	90 ppm	1	1	1	1	1	1	1	
INTERNAL MASS	Control	4	3	4	4	3	4	4	
	5 ppm	1	2	1	4	2	2	1	
	30 ppm	3	3	3	5	5	4	3	
	90 ppm	1	2	2	4	3	4	4	
1.EYE	Contral	0	0	0	0	0	0	0	
	5 ppm	2	2	2	2	2	2	2	
	30 ppm	1	1	1	1	1	1	1	
	90 ppm	0	0	0	0	. 0	0	0	
1.PERI MOUTH	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
1.EAR	Control	1	1	1	1	1	1	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	. 0	0	0	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 33

linical sign	Group Name	Admini	stration We	ek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. ABDOMEN	Control	0	0	0	0	0	0	0	0 -	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	Ō	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	maa 08	0	0	0	0	0	0	0	0	0	0	0	-0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDEN I NG	Control	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

STUDY NO. : 0116 ANIMAL : MOUSE BDF1 CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

REPORT TYPE : A1 104

SEX : MALE

PAGE: 34

14-7 15-7 16-7 17-7 18-7 19-7 20-7 21-7 22-7 23-7 24-7 25-7 26-7 27-7	Clinical sign	Group Name	Admini	istration W	leek-day											
ABDOMEN Centrol						17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
5 5 5 5 5 5 5 5 5 5			1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 cm	ARDONEN	Control	٥	0	٥	0	0	٥	٥	^	٥	٥	0 .	•	٥	0
Age Part	• ADDONEN								•			-		-		
SO POPM O O O O O O O O O								-				•				
CENITALIA					-							-		-		
5 ppm		an bbw	U	U	U	U	U	U	U	U	0	U	0	Ü	0	0
TAIL Control O O O O O O O O O O O O O	GENITALIA	Control	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
TAIL Control O O O O O O O O O O O O O		5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL Control O O O O O O O O O O O O O		30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S pem		mqq 08	0	0	0					0		0		0		
S ppm	.TAIL	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
DEMA Control O O O O O O O O O O O O O				0	0									-		-
DEMA Control O O O O O O O O O O O O O				0										-		-
S PPM			0	0	0							•		•		
S PPM	DEMA	Control	0	0	0	0	0	٥	Ω	0	0	٥	٥	0	0	٥
SO ppm				0			-	-	-	-	-			-	•	
NEMIA Control 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				-	-	-	-			-	Ū	•	•	•		-
S ppm				-												
S ppm	NEW T A	Ct1	0		0	•	^	•		•	•			•	•	•
30 ppm	ACHIA			-							-			-		
90 ppm 0 0 0 0 0 0 0 0 0				-							•			-	-	
LCER Control 0 0 0 0 0 0 0 0 0 0 0 0 0				-	-									-		
5 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		an bbw	U	U	U	U	0	0	U	0	0	0	0	0	0	0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	LCER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		mag 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		30 ppm	0	0	0		. 0				0			0		0
5 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0	0										_		
5 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EDDEN I NG	Control	0	0	0	0	0	0	0	0	0	٥	0	0	٥	n
30 ppm 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0																
												-				-
												-				
		an hhill	U	V	V	U	V	V	U	U	U.	V	U	V	U	U

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 35

Clinical sign	Group Name	Admini	stration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
I.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VEM I A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	0	Ö
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LCER	Control	0	0	0	0	Ö	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	Ō	Ŏ	Ö	0	Ö	0	Ŏ	0	ő
	30 ppm	0	0	0	0	Ō	0	Ö	0	Ö	Ö	0	Ŏ	Ŏ	ŏ
	90 ppm	0	0	Ö	0	0	0	0	ŏ	ŏ	Ő	ő	Ö	Ö	0
EDDENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	Ö	0	0	0	Ö	Ö	0	0	0	Ö	0	0	0
	30 ppm	Ō	Ö	0	Ö	Ŏ	ŏ	0	. 0	0	0	0	Ő	0	0
	90 ppm	0	Ŏ	0	0	Ö	Ö	0	0	0	Ö	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 36

linical sign	Group Name	Admini	stration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
TAIL	Control	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 37

linical sign	Group Name	Admini	stration W	leek-day				-					·		
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1		1	1	1	1	1
IPPONEN	2	•			_			_					_		
ABDOMEN	Control	0	0	., 0	0 .	0	0	0	0	0	0	0	0	0	0
	mag 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAIL	Control	. 0	0	0	0	. 1	1	1	1	1	1	1	1	1	1
	5 ppm	0	Ö	Ŏ	Ö	0	Ô	Ô	Ô	Ō	Ô	Ô	Ô	Ô	Ô
	30 ppm	. 0	0	Ö	0	0	0	Ö	Ŏ	Ŏ	0	0	0	0	0
	90 ppm	0	Ö	Õ	Ö	0	Ö	Ö	0	ő	Ŏ	Ö	Ö	Ö	Ö
EMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IPVI 4									_			_		_	
IENTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	U	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CER	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DDENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ō	0	0	Ŏ	0	Ö	Ô	Ö	Ö	0	0	0	Ö	0
	ov ppiii	V	V	V	V	U	U	V	V	V	V	V	V	V	

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 38

Clinical sign	Group Name	Admini	stration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	2	2	2	2
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	- 0	0	0	0	1	1	1	1
	90 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	1
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	n	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0 .
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0 -	0	0	. 0	0	0	0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
ULCER	Control	0	0	1	1	1	1	2	2	2	2	2	2	2	2
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0.
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REDDENING	Control	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(IIAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 39

linical sign	Group Name	Admini	istration W	leek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
. ABDOMEN	2	•	•					•	_						
. ABLOMEN	Control	2	2	2	2	2	2	2	3	3	3	2	2	1	1
	5 ppm	0	0	- 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	2	2	2	2	2	2	2	2	2	2	2	2	2
	90 ppm	1	1	1	0	0	1	1	1	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	.0	0	0	1	1	1	1	1	1	1	1	. 1
.TAIL	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0 .	0 -	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEM I A	Cantrol	1	0	.0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
LCER	Control	2	2	2	1	1	1	1	1	1	1	1	1	1	3
	5 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	Ô	0	0
EDDEN I NG	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	Ö	Ŏ	Ô	0	0	0	0 .	0
	90 ppm	0	0	0	Ö	0	0	Ö	0	0	Ö	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ALL A

SEX : MALE

PAGE: 40

Clinical sign	Group Name	Admin	istration	Week-day _					•	
		98-7	99-7	100-7	101-7	102-7	103-7	104-7		
		1	1	1	1	1	1	1		
M. ABDOMEN	Control	1	1	1	1	1	1	1		
II. IIDDOIIDI	5 ppm	0	0	0	0	0	0	0		
	30 ppm									
	90 ppm	2	3 0	3 0	3 0	3	3 0	2		
	an bbill	U	U	U	U	0	U	0		
M.GENITALIA	Control	0	0	0	0	0	0	0		
	5 ppm	Ö	0	0	0	0	0	0		
	30 ppm	1	1	1	1	1	1			
	90 ppm	1	1	1	1	1	1	1 1		
	av hhiii	1	1	i	1	1	1	1		
M.TAIL	Control	1	1	1	1	2	2	2		
	5 ppm	0	0	0	0	0	0	0		
	30 ppm	. 0	1	2	2	2	2	2		
	90 ppm	0	0	0	0	0	0	0		
	av þþlil	V	V	V	V	V	v	v		
EDEMA	Control	0	0	0	1	0	0	0		
	5 ppm	0	0	0	1	0	0	0		
	30 ppm	0	0	0	0	Ö	Ö	0		
	90 ppm	Ö	0	Ö	Ö	0	Ŏ	Ŏ		
			•	•	•	·	·	v		
ANEMIA	Control	0	0	0	0	0	0	0		
	5 ppm	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	Ö		
		•	-	•	=	=	-	•		
ULCER	Control	3	2	3	2	2	2	3		
	5 ppm	1	0	0	0	1	2	1		
	30 ppm	0	0	1	0	Ô	0	1		
	90 ppm	0	Ō	Ô	1	1	i	î		
	• • • • • • • • • • • • • • • • • • • •				_	_	***	=		
REDDENING	Control	0	0	0	0	0	0	0		
	5 ppm	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0		
						•	-	-		

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 41

Clinical sign	Group Name	Admini:	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
					•		· · ·								
EOSION	Control	0	0	0	0	0	0	0	- 0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	Ö	0	Ö	0	Ö	0	Ô	0	0	0	0	Ö	Ő
	30 ppm	. 0	Ö	0	0	0	Ö	0	0	0	0	Ô	0	Ô	ő
	90 ppm	0	Ö	Ö	0	0	0	0	0	Ö	Ö	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	30 ppm	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0
	90 ppm	0	0	0	0	0	0	Ö	0	Ö	Ö	Ö	Ö	Ö	Ö
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	ō	Ö	0	Ö	Ô	ŏ	Ŏ	Õ	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	Ŏ	0	Ö	Ö	Ö	Ŏ	Ö	0	0
	90 ppm	0	0	0	0	0	0	0	0	Ö	Ö	Ö	Ö	0	Ö
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	Ô	0	0	0	0	0	Ö	Ö	Ö	Ö	Ö
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	Ō	0	Ö	Ŏ	Ŏ	0	Ö	0	0	Ö
	30 ppm	0	0	0	0	Ö	0	Õ	Ö	Ŏ	0	0	0	0	0
	90 ppm	Ö	0	0	Ö	Õ	0	Ö	Õ	0	Ô	Ö	0	0 .	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 42

inical sign.	Group Name	Admini	stration W	leek-day _											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OCION	0	•	•	•											
OSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	-	9	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STA	Control	0 -	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	Ö	Ô	Ö	Ŏ	Ŏ	0	Õ	0
	30 ppm	. 0	0	0	0	0	0	Õ	Ö	Ö	Ö	. 0	0	Ö	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Õ	Ö	0	0	Ö	Ö	0	Ö	0	0	0	0
	30 ppm	· ŏ	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	Ö	0	0	Ö	Ô	0	0	0	0	0	0	0	0
TICOLLIS	Control	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	ő	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Distilling	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm 90 ppm	0	0	0	0	0	0	1	0 1	1	0	0	0	0	0
	an hhill	V	v	U	v	U	V	1	1	1	U	U	U	U	U
ORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	0	0	0	0	0	1	1	1	1	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 43

	Group Name	nulliti	stration V	week-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	. 1	1	1	1	1	1	1	1	· 1	1	1	1	1
EOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
RUSTA	Control	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ō	0	0	0	ŏ	Ŏ	Ö	0	Ö	Ö	Ŏ	0	Ö	ő
	90 ppm	0	0	0	Ö	0	0	Ö	Ö	Ô	0	0	0	Ö	0
ICATRIX	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	Ö	Ö	Õ	Ö	Ö	Ô	0	0	0	Ö	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	90 ppm	0	0	0	0	0	0	Ö	Ö	0	0	Ö	Ö	Ö	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	Ŏ	0	0	0	Ö	0	Ŏ	0	0	0
	90 ppm	0	Ō	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Ö	Ŏ	Ŏ	Ŏ	Ö	0	0	. 0	Ô	Ö	0	0
	30 ppm	1	1	1	1	1	1	1	0	ő	Ö	0	0	0	0
	90 ppm	0	Ô	Ô	0	0	Ô	0	Ö	Ö	0	0	0	Ö	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	Ö	Ŏ	0	0	0	Ö	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	90 ppm	Ô	Ô	0	Ô	0	0	Ô	0	0	0	0	0	0	0
	OV PPIII	v	V	V	V	V	V	V	V	V	V	V	V	V	v
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 44

linical sign	Group Name	Admin	istration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Pogravi															
EOSION	Control.	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0 -	0	0	1	0	1	0	1	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
ICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0.	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
NORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	5 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	1	1	1	- 0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 45

Clinical sign	Group Name	Admini	istration W	leek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1

REOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0 -	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	1	2	2	2	2	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	.0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	2	1	1	1	1	2	1	1	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	2	1	1	1	1	2	1	1	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 46

linical sign	Group Name	Admini	stration W	eek-day		······································									
	•	70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
		 													
OSION	Contral	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	90 ppm	Ŏ	Ö	ő	. 0	0	0	Ö	Ö	Ö	Ö	Ö	Ö	Ö	0
JSTA	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov bbill	v	v	V	v	v	v	v	v	V	V	v	V	v	v
CATRIX	Control	0	0	0	0	. 0	0	1	1	1	1	0	0	0	0
*****	5 ppm	0	0	Ő	Ő	Ö	0	Ô	Ô	0	0	0	0	0	0
	30 ppm	. 0	0	Ŏ	0	0	0	0	0	0	0	Ö	0	0	Ö
	90 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
ORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
REGULAR BREATHING	Control	0	0	0	0	0	1	1	1	0	0	0	0	1	3
	5 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	30 ppm	1	0	1	1	1	0	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	1	0	0	1	0	0	0	0	. 0
NORMAL RESPIRATION	Control	0	0	0 -	0	0	1	1	1	0	0	0	0	1	3
	5 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	30 ppm	1	0	1	1	1	0	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	1	0	0	1	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 47

Clinical sign	Group Name	Admini	stration W	leek-day											
		84-7	85-7	86~7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
REOSION	Control	1	1	1	1	1	1	1	1	1	3	3	3	3	3
	5 ppm	0	0	0	- 0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	1	1	1	1	1	1	1	1	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0 .	0	0	0	0	0	0
RUSTA	Control	0	0	9	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	.1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RREGULAR BREATHING	Control	3	2	3	2	2	2	2	2	2	1	1	2	2	1
	5 ppm	0	0	0	0	1	2	1	1	1	0	0	0	0	0
	30 ppm	0	0	0	1,	0	0	0	0	0	0	0	0	0	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
BNORMAL RESPIRATION	Control	3	2	3	2	2	2	2	2	2	1	1	2	2	1
	5 ppm	0	0	Õ	0	1	2	1	1	1	0	0	0	0	ō
	30 ppm	0	0	0	1	0	0	0	0	Ô	Ö	Ö	Ö	0	2
	90 ppm	Ö	Ö	0	ō	Ö	0	0	0	0	Ô	0	Ŏ	1	1

CLINICAL OBSERVATION (SUMMARY)
ALL AN!MALS

SEX : MALE

PAGE: 48

Clinical sign	Group Name	Admin	istration	Week-day				
		98-7	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1	1
							•	
REOSION	Control	3	2	2	2	2	2	1
	5 ppm	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	. 0	0
	90 ppm	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
CICATRIX	Control	0	0	o [;]	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	1	1	1	0	2	2	2
	5 ppm	0	0	0	0	1	0	0
	30 ppm	1	1	2	1	1	1	1
	90 ppm	1	0	0	0	0	0	ō
ABNORMAL RESPIRATION	Control	1	1	1	0	2	2	2
	5 ppm	0	0	0	0	1	0	0
	30 ppm	1	1	2	1	1	1	1
	90 ppm	1	0	0	0	0	Õ	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

SEX : MALE

PAGE: 49

Clinical sign	Group Name	Admini:	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
FLOUVOUR															
FACHYPNEA PROPERTY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ED URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0 -	0	0	0	0	0	0	0	0	0	0	Ō	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 50

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7 1	15-7 1	16-7 1	17-7 1	18 -7	19-7 1	20-7 1	21-7 1	22-7 1	23-7 1	24-7 1	25-7 1	26-7 1	27-7 1
			<u> </u>	· · · · · · · · · · · · · · · · · · ·											
ACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONTI NEA	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ED URINE	Control	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : MALE

PAGE: 51

Clinical sign	Group Name	Admini	stration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	٥
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	Ô	0	0	0	0	0	0	0	0	Ö	n	0	0
	90 ppm	Õ	0	0	0	0	Ö	Ö	Ö	Ö	Ö	ő	Ö	ő	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RED URINE	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	C
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 52

Clinical sign	Group Name	Admini	stration W	eek-day											·
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-3
		1	1	:1	1	1	1	1	1	1	1	1	1	1	1
														•	
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OITT NEA	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RED URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	- 0	0	0	0	1	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ô	Ô	Ö	0

(HAN190)

ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : MALE

PAGE: 53

Clinical sign	Group Name	Admini	stration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	1	1	1	1	1	1	0	ō	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RED URINE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	ŷ	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0

(HAN190)

BAIS 2

٠.

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 54

Clinical sign	Group Name	Admini	stration W	eek·day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TACHYPNEA	Control	0	0	٥	0	0	0	0	٥	٥	٥	٥	0	٨	۸
OHI NEA	5 ppm	0	0	0	0	0	0	0	. 0	.0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	۸	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov ppiii	v	V		v	v	v	V	V	V	v	V	V	V	v
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1	Ö	0	0	0	0	0	0	0
	30 ppm	0	0	1	1	1	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
RED URINE	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
LOOSE STOOL	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	3	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 55

Clinical sign	Group Name	Admini	istration W	eek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TACHYPNEA	Control	0	0	0	0	0	٥	٥	٥	0	٥	0	٥	0	0
THOUTT HEA	5 ppm	0	0	٥	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	av þþill	U	U	V	V	V	U	U	U	V	U .		U	U	U
DEEP BREATHING	Control	1	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RED URINE	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE: 56

Clinical sign	Group Name	Admini	istration	Week-day				
		98-7	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1	1	1	1	1
TACHYPNEA	Control	0	0	. 0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
DEEP BREATHING	Contral	0	0	0	0	0	0	0
	5 ppm	0	0	.0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
RED URINE	Control	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0
	maa 3	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0

(IIAN190)

APPENDIX A 4

CLINICAL OBSERVATION : SUMMARY, MOSUE: FEMALE (2-YEAR STUDY)

: MOUSE BDF1 ALL ANDIALS

SEX : FEMALE

PAGE: 57

inical sign	Group Name	Admini	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	0	Q	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
IBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHBACK POSITION	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
XIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 58

Clinical sign	Group Name	Admini	stration W	leek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppin	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRIBUND SACRIFICE	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NRALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 59

linical sign	Group Name	Admini	stration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	5 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RIBUND SACRIFICE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	. 0	0	0	0	1	1	1	1	1	1	1
COMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0 -	0
ONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	1	ŋ	0	0	0	1	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	2	1	1	1	1	0	0	0	0	0	0	0
AXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	. 0	0	0	1	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 60

linical sign	Group Name	Admini	istration W	eek-day											
	_,,	42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
ATH	Control	0	0	0	1	1	1	1	1	1	2	2	2	3	3
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	,1	1	1	1	1	1	1	2	3	3	3	4
	90 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
RIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	.0	0	0	0	0	0	0
	90 ppm	1 .	1	1	1	1	1	1	1	1	2	2	2	2	2
COMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ONE	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NCHBACK POSITION	Control	0	0	1	0	0	1	0	0	1	1	. 0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	30 ppm	0	0	0	0	1	0	1	1	1	1	1	2	2	1
	90 ppm	0	0	0	0	1	1	1	1	1	0	1	0	0	0
AXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RALYTIC GAIT	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5 ppm	Ö	Ö	0	Ô	0	Ö	0	0	0	0	0	0	0	0
	30 ppm	0	Ô	0	0	0	0	0	Ō	0	0	0	0	0	0
	90 ppm	0	0	0	0	Ő	0	0	Ö	1	0	0	0	0	Ö

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 61

Clinical sign	Group Name	Admini	stration W	eek-day			-								
	_,,	56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
	•	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1														
EATH	Control	3	3	3	3	3	3	4	4	4	5	5	5	5	6
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	4	4	4	4	4	4	4	5	5	5	5	6	6	6
	90 ppm	2	2	2	2	2	2	2	2	2	3	3	3	3	3
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	90 ppm	2	2	2	2	2	2	2	2	2	3	3	3	3	.3
OCOMOTOR MOVEMENT DECR	Centrol	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	Ō	0	0	0	0	0	0	0	0	. 0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
NONE	5 ppm	0	0	0	0	0	0	0	0	0	Ô	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	ő	0	0	0	Ŏ
	90 ppm	0	0	0	. 0	0	0	0	0	0	1	0	0	0	0
	an bhili	V	U	V	. 0	V	U	V	V	V	1	V	v	U	v
UNCHBACK POSITION	Control	0	0	0	0	1	0	0	0	0	0	0	0	1	0
	5 ppm	0	0	0	0	0	0	0	0 -	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	2	1	1	1	1	1	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	Ō	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ô	0	0	Ö	0	0	Ö	0	Ö	0	1	0	0	0
	90 ppm	0	Ŏ	0	0	0	Ő	0	0	Ő	0	0	0	0	0
	oo bbill	v	v	v	•	V	v	V	U	•	v	•	•	·	•

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 62

linical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EATH	0 1 1	g		-		g	ā	a	-		-	-	•	•	
AIA	Control	7	7	7	7	7	7	7	7	7	7	7	8	9	9
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	30 ppm	7	7	8	8	8	8	8	8	8	8	8	8	9	11
	90 ppm	3	3	4	4	4	5	5	5	6	6	6	6	7	7
IBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	30 ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	2
	90 ppm	3	3	4	4	4	4	4	4	4	4	4	4	4	4
COMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	5 ppm	Ō	Ö	0	Ö	Ö	Ö	0	0	ő	Ö	ĭ	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ō	Ō	0	0
NE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0.	0	0	0	Ö	Ö	0	Ö	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	Ö	0
CHBACK POSITION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	Ō	0	1	1	1	1	2	1	1	1
	30 ppm	Ö	0	Ö	0	ŏ	1	1	Ô	Ô	Ô	0	Ô	Ô	Ô
	90 ppm	Ō	Ô	0	0	0	Ō	Ō	Ö	0	0	0	1	1	1
XIC GAIT	Control	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	Ö	0	0	Ö	0	Ŏ	0	1	0	Ö	0
	30 ppm	Ő	Ö	0	0	0	0	Ö	Ŏ.	0	0	0	0	0	0
	90 ppm	ŏ	Ö	ő	0	0	Ő	Ô	ŏ	Ő	ő	Ö	Ö	ő	Ö
ALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	Ö	0	Ŏ	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	Ö	0	0	0	0	0	0	0	0	0	0

... 7.*:

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0116 ANIMAL : MOUSE BDF1 REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 63

Clinical sign	Group Name	Admini	stration W	eek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEATH	Control	9	10	10	10	11	11	11	11	11	11	11	11	11	12
	5 ppm	2	2	2	2	2	2	3	3	4	4	4	4	4	4
	30 ppm	12	12	12	12	12	12	12	12	12	12	12	13	13	14
	90 ppm	7	8	9	. 9	9	9	10	10	10	12	12	12	12	12
ORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	2
	5 ppm	1	1	1	1	1	1	1	1	1	2	3	4	4	5
	30 ppm	2	2	3	3	3	3	3	3	3	3	3	3	1	4
	90 ppm	4	4	- 4	4	4	4	4	4	4	4	4	5	5	5
OCOMOTOR MOVEMENT DECR	Control	0	0	ŋ	0	0	0	0	0	0	0	0	0	0	0
*	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
RONE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNCHBACK POSITION	Control	1	2	2	1	1	1	1	1	2	1	1	1	0	0
	5 ppm	1	1	1	2	2	2	2	3	3	3	2	2	1	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	2
	90 ppm	1	1	0	0	0	0 .	0	0	0	0	0	1	0	1
TAXIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	1	1	1	1	1	1	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

* * * * 1

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX: FEMALE

PAGE: 64

Clinical sign	Group Name	Admini	stration	Week-day _					
		98-7	99-7	150-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
									
DEATH	Control	12	14	15	15	15	15	15	
	5 ppm	12 5	5	5	5	5	5	5	
	30 ppm	14	16	· 16	16	16	17	17	
	90 ppm	14	14	14	14	14	17	17	
MORIBUND SACRIFICE	Control	3	5	5	6	6	6	6	
	5 ppm	6	6	6	8	8	8	8	
	30 ppm	5	5	5	6	6	6	8	
	. 90 ppm	7	7	.7	7	7	7	7	
LOCOMOTOR MOVEMENT DECR	Control	0	1	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	. 0	0	0	0	0	0	1	
	90 ppm	0	0	0	0	0	0	0	
PRONE	Control	0	0	, O	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
HUNCHBACK POSITION	Control	1	0	1	0	0	0	0	
	5 ppm	0	0	0	0	1	0	0	
	30 ppm	1	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
ATAXIC GAIT	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	Õ	0	Ŏ	
	30 ppm	Ô	0	0	Ö	0	0	Ö	
	90 ppm	Ö	Ö	0	0	Ö	Ö	Ő	
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	
	5 ppm	ō	Ö	0	Ö	0	ŏ	1	
	30 ppm	0	0	0	0	Ö	Ŏ	Ô	
	90 ppm	0	0	0	0	Ŏ	Ö	0	

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 65

Clinical sign	Group Name	Admini:	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	i	1	1	1	1	1	1	1	1	1	1	1
TREMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0 .	0	0	0	0	0	0	0	0	0	0	0
OTATING	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	- 0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0.	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILEPSY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	nad 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ASTING	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	- 0	0	0	0	0	0	0	0	0
ILOERECTION	Control	0	0	0	0	0	0	0	3	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ö	0	0	0	Ŏ	Ö	Õ	ő	Ö	Ö	0	. 0	Ö	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 66

Hinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
REMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	1	1	1	1	0	1	1
DLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILEPSY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STING	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	. 1	1	1	1
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0 .	0	Ō	0
LOERECTION	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	Ō
	90 ppm	0 -	0	0	0	0	0	2	0	1	i	ī	1	1	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIHALS

SEX : FEMALE

PAGE: 67

Uinical sign	Group Name	Λdmini	stration W	leek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
REMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	1	0	0	. 0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	1	1	0	1	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	. 0
	90 ppm	1	0	0	0	0	1	1	0	0	0	0	0	0	0
DLLING	Control	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILEPSY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	90 ppm .	0	0	0	0	0	0	0	0	0	0	0	0	1	0
STING	Control	0	0	0	. 0	0	0	0	1	1	0	0	1	1	0
	5 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	2	1	0	0	0	0	0	0	0	0	0	0
DILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOERECTION	Control	0	0	0	0	0	0	0	1	1	1	1	1	1	0
	mag 3	0	1	0	0	0	. 0	1	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	2	1	1	0	1	0	Ö	0	Ŏ	Ô	Ô	0

5 2 5 3

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 68

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
REMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	1	1	1	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	1	0	0	0	0	1	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LLING	Control	0	0	. 0	0	0	0	1	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILEPSY	Control	0	0	1	1	1	0	0	0	0	1	1	3	0	2
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	30 ppm	0	0	0	1	0	0	0	0	8	2	9	3	1	2
	90 ppm	0	0	0	0	0	0	0	1	0	0	1	0	0	0
STING	Control	0	0	1	0	0	0	1	0	1	1	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	1	0	1	2	2	1
	90 ppm	0	0	0	0	0	2	1	1	1	0	1	0	0	0
ILED	Control	0	0	0	0	0	0 -	0	1	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	1	1	1	1	1	1	1	0	0	0	0	0
LOERECTION	Control	1	1	2	1	1	0	1	1	1	2	0	0	0	0
	5 ppm	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	1	0	0	0	1	2	2	1	1	2	2	1
	90 ppm	1	1	1	1	1	1	1	1	1	0	1	0	0	1

1 31 No. 11 8

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 69

linical sign	Group Name	Admini	istration W	leek-day											
		56-7	57-7	€8-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
REMOR	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	0	0	0	1	1	0	0	0	0	0	0	0	0
•	90 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
DLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILEPSY	Control	1	0	0	1	1	2	0	0	1	4	3	3	5	3
	5 ppm	1	2	0	3	1	3	3	1	0	3	1	1	1	7
	30 ppm	0	1	7	1	0	2	1	2	4	3	2	3	3	6
	90 ppm	1	0	1	0	0 .	3	0	0	1	0	0	0	0	2
STING	Control	0	0	0	0	1	0	0	0	0	0	0	0	1	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ó	0
ILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOERECTION	Control	0	0	0	0	1	0	0	0	0	0	0	0	.0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	2	1	2	2	2	2	2	2	2	2	1	1	0
	90 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0

NORTH IN

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 70

linical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
REMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LLING	Control	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
LEPSY	Control	6	8	11	4	5	0	6	3	3	2	5	7	12	18
	5 ppm	5	8	7	0	2	2	6	5	3	3	7	13	13	19
	30 ppm	8	7	7	7	8	9	4	3	3	3	12	14	12	16
	90 ppm	2	3	3	2	2	1	ī	0	Ō	Ö	6	6	4	5
STING	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	5 ppm	0	0	0	0	0	0	1	1	1	1	2	1	ī	1
	30 ppm	0	0	2	0	0	1	1	0	0	0	0	0	ō	0
	90 ppm	0	. 0	0	0	0	0	0	0	0	0	0	1	1	1
ILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	1	1	0	Ö	0	Ö	0	Ö	0
	90 ppm	0	0	0	0	0	0	ō	Ō	Ö	Ö	Ö	Ŏ	Ö	0
OERECTION	Control	0	0		0	0	0	0	0	0	1	2	2	1	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0		
	90 ppm	0	0	0	. 0	0	0	0	1	0	1	1	1	1	1
	االط مو	V	v	v	v	v	V	U	1	V	1	1	1	1	1

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL APINALS

SEX : FEMALE

PAGE: 71

linical sign	Group Name	Admini	stration W	leek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DEWOR.											•	•	•	•	
REMOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
TATING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OLLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILEPSY	Control	15	17	18	18	20	20	19	19	19	16	13	19	17	20
	5 ppm	16	17	13	13	17	18	15	18	12	10	13	14	13	18
	30 ppm	15	14	14	15	11	15	18	17	15	16	15	13	10	8
	90 ppm	5	7	8	6	9	7	9	10	7	9	10	8	7	7
ASTING	Contral	0	1	1	1	1	. 1	1	1	2	1	1	1	. 0	0
	5 ppm	1	1	1	1	2	2	2	2	2	1	1	1	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	2	2
	90 ppm	1	1	0	0	0	0	0	0	0	0	0	1	0	0 -
OILED	Control	0	0	0	0	0	0	0		0	0	0	0	0	0
	5 ppm	0	0	0	0	Ö	0	Ô	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	Ö	0	0	0	0	Ö	Ö	0	0	Ō
	90 ppm	Ö	0	0	Ö	Ö	Ö	Ö	Ŏ	Õ	ŏ	Ö	Ō	Ō	0
ILOFRECTION	Contral	0	0	0	0	0	1	1	1	3	2	1	1	0	0
	5 ppm	1	2	2	2	3	3	2	3	2	2	2	2	0	0
	30 ppm	1	1	0	0	0	0	0	0	1	2	3	2	3	2
	90 ppm	1	1	0	0	0	0	0	0	1	0	0	1	0	1

(IIAN190)

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

er g* Lair, i

SEX : FEMALE

PAGE: 72

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 73

linical sign	Group Name	Admini:	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OSS OF HAIR	Control	0	0	1	2	7	18	21	26	27	30	32	30	27	27
	5 ppm	0	0	2	2	4	6	12	18	23	21	22	25	23	26
	30 ppm	0	0	3	6	8	11	14	20	26	28	23	31	27	29
	90 ppm	0	0	0	3	9	9	12	13	22	25	25	27	27	24
AUMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	ù	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0 .	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPIITHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0.	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 74

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OSS OF HAIR	Control	28	22	31	30	35	34	36	30	36	37	37	35	36	41
	5 ppm	30	25	27	23	31	29	29	38	31	32	30	30	29	33
	30 ppm	33	34	27	35	32	37	37	36	40	31	41	36	41	40
	90 ppm	29	30	26	28	31	30	32	31	37	31	39	34	34	38
AWA	Control	0	0	0	0 -	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	_ 0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	Ç	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	0	0	6	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5 124 6

(HAN190)

STUDY NO. : 0116

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 75

linical sign	Group Name	Admini	stration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OSS OF HAIR	Control	39	40	43	40	44	46	45	41	44	46	46	46	48	47
	5 ppm	31	33	30	25	31	31	30	30	31	30	30	31	31	31
	30 ppm	40	41	41	35	38	37	40	40	40	40	40	41	38	39
	90 ppm	35	37	36	39	36	35	33	33	34	33	34	36	36	36
AMU	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	. 0	0	0	0	1	0	0	0	0	0	0	0
OG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LED PERI GENITALIA	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Ù	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	90 ppm	0	0	1	1	0	0	0	0	0	0	0	0	0	0
1	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0116
ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 76

linical sign	Group Name	Admini	stration W	leek-day									·		
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OSS OF HAIR	Contral	48	48	48	47	47	47	46	44	44	41	40	40	40	40
	5 ppm	31	32	34	35	35	36	36	36	37	36	37	36	37	34
	30 ppm	37	37	36	38	39	40	39	39	40	38	37	36	36	36
	90 ppm	36	37	36	37	38	38	38	39	38	37	35	35	35	35
RAUMA	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	-0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	1
DILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	1	1	1	1	1	0	0	0	0	0
COPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	. 0	0	Ö.	0	0	0	0	0	0	0	0	0
ACRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
М	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 77

linical sign	Group Name	Admini	stration W	leek-day											
		56-7	57-7	E3-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	, 1 .	1	1	1	1	1	1	1	1	1	1	1
									·						
OSS OF HAIR	Contral	38	41	42	43	43	43	36	37	39	38	36	35	38	39
	5 ppm	32	37	37	39	38	37	31	30	33	30	30	29	29	32
	30 ppm	38	38	38	38	38	38	37	37	37	37	37	38	34	33
	90 ppm	33	36	35	32	33	34	35	35	34	34	33	33	30	28
AKUA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OG BELLY	Control	0	0	0 .	0	0	0	0	0	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	1	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	5 ppm	0	0	0.	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
CRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	0	1	1	0	1	1	1	1	0	0	0	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Y.	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 78

inical sign	Group Name	Admini	stration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
77 OF WALE	a	00	00	22		0.7	25	0.7	07	24	0.7	00	0.4	00	00
SS OF HAIR	Control	38	38	33	38	37	37	37	37	37	37	36 32	34 31	33 30	33 29
	5 ppm	32	32	J D	30	34	34	34	34	33	33				
	30 ppm	32	27	27	30	26	26	25	25	24	24	24	24	23	21
	90 ppm	29	28	. 28	29	27	29	29	29	28	28	26	27	22	24
AML	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
G BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LED PERI GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
RYMATION	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	1	1	1	1	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

ANIMAL : MOUSE BDF1 ALL ANIMALS

REPORT TYPE : A1 104

STUDY NO. : 0116

SEX : FEMALE

PAGE: 79

linical sign	Group Name	∧dmini	stration W		·										
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
OSS OF HAIR	Control	33	32	32	32	31	31	31	30	30	29	23	22	18	15
	5 ppm	30	30	31	32	31	31	31	30	31	29	23	23	18	16
	30 ppm	20	14	13	13	15	8	7	6	7	7	8	8	5	5
	90 ppm	24	19	17	16	17	10	8	5	5	5	5	5	4	4
UMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OG BELLY	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	0
	5 ppm	. 0	0	0	0	0	0	0	0	1	0	0	0	0	0
	30 ppm	0	0	. 0	0	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILED PERI GENITALIA	Control	0	0	-()-	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	1	0	0	1	2	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0 -	0	0	0	0	0	0
OPINTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
CRYMATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	1	0	1	2	2	2	2	2	2	2	2	2
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

100 A 100 100 HOUR

(HAN190)

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 80

Clinical sign	Group Name	Admini	stration	Week-day _				·	
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
LOSS OF HAIR	Control	12	10	10	8	7	6	6	
	5 ppm	14	14	13	10	10	9	9	
	30 ppm	4	2	1	0	- 0	0	0	
	90 ppm	4	3	3	2	2	2	2	
TRAUMA	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
FROG BELLY	Control	0	0	0	0	0	0	0	
	5 ppm	0	1	2	0	0	0	0	
	30 ppm	. 0	0	0	0	0	1	2	
	90 ppm	0	1	1	1	- 1	1	1	
SOILED PERI GENITALIA	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	1	1	
	30 ppm	1	1	1	1	1	1	0	
	90 ppm	0	0	0	0	0	0	0	
EXOPITHALMOS	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	. 0	1	1	1	1	1	1	
	90 ppm	0	0	0	0	0	0	0	
LACRYMATION	Control	0	0	0	0	0	0	0	
	5 ppm	2	2	2	2	2	2	2	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	Ō	0	0	
GUM	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	Ō	
	90 ppm	0	0	0	0	0	0	0	

11.4 11. 21.4 48.

(HAN190)

STUDY NO.: 0116
ANIMAL: MOUSE BDF1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

REPORT TYPE: A1 104

SEX : FEMALE

PAGE: 81

Clinical sign	Group Name	Admini	stration W	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
EYE OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Q	0	0	0	0	0	0	0	0	0	0	0
ANTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0	0 .	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	3

(HAN190)

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

and the

SEX : FEMALE

PAGE: 82

linical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
											,				
YE OPACITY	Control	0	0	0.	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRNEAL OPACITY	Control	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	Ö	Ō	Ö	0	0	Ö	Ö	0	0	Ö	Ŏ
	30 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	mag 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov bhii	٧	V	V	V	U	U	v	U	U	U	U	U	V	U
ITERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	Ō	Ö	0	Ŏ	Ö	0	Ö	o O	ő	Ô	0	0	0	0
	30 ppm	. 0	0	0	Õ	0	Ŏ	0	0	0	0	Ô	0	0	Ö
	90 ppm	Õ	Ö	0	0	0	0	Ö	0	0	0	0	0	0	0
DOOR OF TRETH	•	•	•					_						-	
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	90 ppm	0	0	0	0	0	0	0	Ö	0	Ö	0	Ö	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	ő	Ö	Ö	0	0	0	0	0	0	Ő	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	av hhii	v	U	V	U	V	U	v	V	U	U	U	U	U	U
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	1	1	1	1	1	1	1	0	1	3	3	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0116
ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 83

linical sign	Group Name	Admini	stration W	eek-day									,		
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
YE OPACITY	Control	0	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
RNEAL OPACITY	Control	0	0	e	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
TERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0 ·	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	0	. 0	0	0	0	0	0	1	1	0	0	0	0

(HAN190)

CLINICAL OBSERVATION (SUMMARY) ALL AMIMALS

SEX : FEMALE

PAGE: 84

nical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	. 1	1	1	1	1	1	1	1	. 1	1	1
ODLGATTI															
OPACITY	Control	0	0	0	0	0	0	0	0	3	6	8	17	20	24
	5 ppm	0	0	. 0	0	0	0	1	19	20	21	22	25	24	27
	30 ppm	0	0	0	0	0	0	0	0	1	4	6	12	17	28
	90 ppm	0	0	. 0	0	0	0	0	0	13	17	22	23	27	33
NEAL OPACITY	Control	0	0	0	0	0	0	0	0	3	6	8	17	20	24
	5 ppm	0	0	0	0	0	0	1	19	20	21	22	25	24	27
	30 ppm	0	0	0	0	0	0	0	0	1	4	6	12	17	28
	90 ppm	0	0	ó	0	0	0	0	0	13	17	22	23	27	33
ERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0 .	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	ĺ	1	1	1	1	Ō	Ö	Õ	Ö	0
	90 ppm	0	0	0	0	0	0	ō	Ö	0	0	0	0	Ö	0
ERNAL MASS	Control	1	1	1	1	1	1	. 1	. 1	1	1	1	1	0	1
	5 ppm	ō	1	1	î	î	î	1	1	1	1	1	2	2	2
	30 ppm	0	0	1	i	Ō		1	1			. 2	2	2	1
								_							î
	30 ppm Maa 08	0	0 1	1	1 2	0	1 1	1	1	1	2 1	· 2	2 1		2 1

(IIAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 85

Clinical sign	Group Name	Admini	istration V	Veek-day _											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
			ű.												
EYE OPACITY	Control	27	30	32	34	34	34	33	33	34	34	33	33	33	32
	5 ppm	31	32	32	35	35	35	35	35	35	35	35	35	36	35
	30 ppm	29	30	31	30	31	30	31	32	30	30	30	28	29	29
	90 ppm	33	32	33	33	34	32	34	34	35	35	35	35	35	35
ORNEAL OPACITY	Control	27	30	32	34	34	34	33	33	34	34	33	33	33	32
	5 ppm	31	32	32	34	35	35	35	35	35	35	35	35	36	35
	30 ppm	29	30	31	30	31	30	31	32	30	30	30	28	29	29
•	90 ppm	33	32	33	33	34	32	34	34	35	35	35	35	35	35
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	Ç	1	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0 -	1	0	0	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Ú	0	0	0	0	0	0	0	0	0	0	0
XTERNAL MASS	Control	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	1	. 1	1	1	1	1	2	2	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NTERNAL MASS	Control	1	1	1	1	1	4	3	3	3	3	3	3	3	2
	5 ppm	2	2 ·	2	2	1	1	1	1	1	1	1	1	1	2
	30 ppm	1	1	1	1	1	1	1	0	1	1	1	2	2	2
	90 ppm	3	3	4	1	5	4	5	5	5	4	3	3	3	3

(HAN190)

BAIS 2

. .

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX: FEMALE

PAGE: 86

Clinical sign	Group Name	Admini	stration W	leek-day	-1										
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
					, T.										
YE OPACITY	Control	32	32	33	33	33	33	33	32	32	33	10	22	28	28
	5 ppm	36	41	41	41	41	41	41	41	41	41	1	27	30	32
	30 ppm	28	28	29	29	28	29	29	29	29	29	29	30	29	29
	90 ppm	35	35	34	33	33	35	35	35	34	34	35	35	34	34
DRNEAL OPACITY	Control	32	32	33	33	33	33	33	32	32	33	10	22	28	28
	5 ppm	36	41	41	41	41	41	41	41	41	41	1	27	30	32
	30 ppm	28	28	29	29	28	29	29	29	29	29	29	30	29	29
	90 ppm	35 .	35	34	33	33	35	35	35	34	34	35	35	34	34
NTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0 .	0	0
BNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	0	0	1	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	1	1	2	2	2	2	2	2
	30 ppm	1	1	1,	1	1	1	2	2	2	2	2	2	2	2
	90 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	1	1	1	2	3	3	3	3	3	3	3	2	1	1
	5 ppm	2	2	2	2	2	2	2	2	3	3	2	1	1	1
	30 ppm	2	2	2	2	1	1	1	2	2	2	1	1	0	0
	90 ppm	3	3	2	1	1	0	1	2	1	1	1	1	1	1

(HAN190)

BAIS 2

A.

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

STUDY NO. : 0116
ANIMAL : MOUSE BDF1
REPORT TYPE : A1 104

SEX : FEMALE

PAGE: 87

linical sign	Group Name	Admini	stration W	leek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	. 1	1
P. ODLGITY					••										
E OPACITY	Control	27	27	29	29	28	28	28	30	29	29	28	29	29	28
	5 ppm	32	32	35	36	36	36	36	36	35	34	33	36	35	35
	30 ppm	29	29	28	28	28	28	28	29	29	29	29	28	28	26
	90 ppm	34	33	32	32	32	32	32	32	32	30	30	29	28	28
RNEAL OPACITY	Control	27	27	29	29	28	28	28	30	29	29	28	29	29	28
	5 ppm	32	32	35	36	36	36	36	36	35	34	33	36	35	35
	30 ppm	29	29	28	28	28	28	28	29	29	29	29	28	28	26
	90 ppm	34	33	32	32	32	32	32	32	32	30	30	29	28	28
TERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FECT OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	i	1	1
	30 ppm	0	0	Ċ.	0	Ô	0	0	ō	ō	ō	Ô	Õ	Ô	ō
	90 ppm	0	0	0	0	0	0	0	0	Ő	0	Ö	0	0	Ő
NORMAL GROWTH OF TEETH	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	Ö	Ö	0	Ô	Ö	Ö	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ô	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	2	2	2	3	3	3	3	2	2	2	1	1	1	1
	30 ppm	2	2	1	1	1	1	1	1	1	1	1	3	3	3
	90 pm	1	1	î	î	1	1	1	2	2	1	Î	1	1	1
TERNAL MASS	Control	1	1	1	1	1	1	1	1	1	0	0	0	0	2
	5 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	30 ppm	0	0	0	0	1	1	1	1	1	2	2	3	3	1
	90 ppm	1	1	1	1	2	1	1	1	1	1	1	3	2	3

(IIAN190)

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 88

Clinical sign	Group Name	Admini	istration	Week-day				
		98-7	99-7	100-7	101-7	102-7	103-7	104-7
		1	1	1 .		1	1	1
EYE OPACITY	Control	26	26	23	22	23	23	23
	5 ppm	33	32	32	30	30	30	29
	30 ppm	25	24	24	24	24	24	22
	90 ppm	25	25	25	25	25	22	22
CODUCAL ODICACO								
CORNEAL OPACITY	Control	26	26	23	22	23	23	23
	5 ppm	33	32	32	30	30	30	29
	30 ppm	25	24	24	24	24	24	22
	90 ppm	25	25	25	25	25	22	22
ANTERIOS CHAMBER OPACITY	Control	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0
	30 ppm	. 0	0	. 0	0	0 -	0	0
	90 ppm	0	0	0	0	0	0	0
DEFECT OF TEETH	Control	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1
	30 ppm	0	0	0 -	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	2	2	2	2
	5 ppm	2	3	3	3	3	4	4
	30 ppm	3	3	3	2	3	3	2
	90 ppm	1	0	0	0	0	0	0
INTERNAL MASS	Contral	2	2	1	1	1	1	2
	5 ppm	2	2	2	1	1	1	1
	30 ppm	1	1	1	4	4	5	3
	90 ppm	1	1	1	1	1	1	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 89

Clinical sign	Group Name	Adminis	stration We	eek-day											
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	. 0	0	0	. 0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	. 0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0.	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 90

Clinical sign	Group Name	Admini	stration W	leek-day								•			
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
I.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 91

linical sign	Group Name	Admini	stration W	eek-day											
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRAL CAVITY	Control	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAR	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	.0	0
ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0 -	0	0	Ö	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ō	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	0	Ö

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 92

linical sign	Group Name	Admini	stration W	eek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.EYE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0 -	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	Ö	Ö	Ö	0	0	Ö	ő	Ö
EAR	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	Õ	0	ō	Ô	ō	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	Õ	0	Ö	0	Ö
	90 ppm	0	0	0	0	Ō	0	Ö	0	0	0	0	0	0	0
NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	Ō	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	Ö	0	0	Ö	0
	90 ppm	0	0	0	0	0	Ö	Ö	Ö	Ö	Ö	Ŏ	0	ŏ	0
ABDONEN	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	Ō	0	0	0	0	0	Ö
	30 ppm	0	0	Ô	0	0	Ŏ	0	Ö	0	0	0	0	0	Ŏ
	90 ppm	0	Ö	0	ŏ	0	0	Ö	0	ŏ	ŏ	Ö	ŏ	ő	Ö
ANTERIOR. DORSUM	Control	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Ō	0	0	0	0	Ö	0	0	0	0	0	0
	30 ppm	0	0	Õ	Ö	0	Ŏ	0	ŏ	Ö	0	0	0	0	Ő
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 93

linical sign	Group Name	Admin	istration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.eye		•	•			•	•	•		•	•	•	•	•	•
.616	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	. 0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DRAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EAR	Control	0	1	1	1	1	1	. 1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	Õ	Õ	Õ	ō	ō	ō	ō	ō	ō
•	30 ppm	. 0	0	0	0	0	0	0	0	0	Ō	0	0	0	Ō
	90 ppm	0	. 0	0	0	0	Ö	Ō	0	Ö	Ö	Ö	0	0	Ō
NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Ö	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	Ő	0	0	Ö	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONDITIO	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	Ö	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A DDOVEN				-	•					•		•	-	-	J
ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	Ŏ	Ô	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 94

linical sign	Group Name	Admin	istration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
	 -	1	1,	1	1	1	1	1	1	1	1	1	1	1	1
.EYE	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.EAR	Control	1	1	1	1	1	1	1	1	1	1	1	. 1	1	1
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm .	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	30 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0 -
, ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 95

Clinical sign	Group Name	Admini	stration W	leek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.EAR	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Y. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
M.FORLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
M. ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Õ	Ö	Ö
	30 ppm	0	0	0	0	0	0	0	0	Ŏ	0	0	0	ŏ	Ö
	90 ppm	0	0	0	0	Ö	Ö	0	Ö	Ö	0 .	Ö	Ö	Ö	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	1	1	1	1	Ô	Ö	0	Ő	0	Ö	0
	30 ppm	0	0	0	0	0	0	ō	0	Ö	Ö	0	Ô	Ö	ő
	90 ppm	0	0	0	0	Ö	Ö	ő	0	ő	ŏ	Ô	Ö	ő	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 96

inical sign	Group Name	YOM!U	istration	week-day _						
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	-	
		1	1	1	1	1	1	1		
	Control	0	0	0	0	0	0	0		
	5 ppm	2	2	2	2	2	2	2		
	30 ppm	1	1	1	1	1	1	1		
	90 ppm	0	0	0	0	0	0	0		
CAVITY	Control	0	0	0	0	0	0	0		
	5 ppm	0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	Ō	0		
	90 ppm	0	0	Ŏ	0	0	0	ő		
				, ,		·	Ť	·		
}	Control	1	1	1	1	1	1	1		
	5 ppm	. 0	0	0	0	0	0	0		
	30 ppm	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0		
	Control	0	0	0	1	1	1	1		
	5 ppm	0	0	0	0	0	0	0		
	30 ppm	1	1	1	1	2	2	1		
	90 ppm	1	0	0	0	ō	0	0		
IMB	Control	0	0	0	0	0	0	0		
	5 ppm	0	Ŏ	0	0	0	ő	Ö		
	30 ppm	1	1	1	0	0	0	0		
	90 ppm	1	0	0	0	0	0	0		
*		*		V	v	v	v	V		
OMEN	Control	0	0	0	1	0	0	0		
	5 ppm	0	0	0	0	0	1	1		
	30 ppm	0	0	0	0	0	0	0		
	90 ppm	0	0	0	0	0	0	0		
ERIOR.DORSUM	Control	0	0	0	0	0	0	0		
	5 ppm	0	0	Ô	0	0	ŏ	Ô		
	30 ppm	0	0	0	0	Ö	Ŏ	0		
	90 ppm	0	0	0	0	0	Ő	0		

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 97

linical sign	Group Name	Adminis	stration We	eek-day											
	•	0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0 ′	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0 .	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
							-	-	-	-	-	-	-	-	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 98

Clinical sign	Group Name	Admini	stration W	eek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
WINDI TWO															
I.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mag 3	0	0	0	0	0	0	0	0	Ó	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0 -	0	. 0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	Ō
REOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	Ö	Ö	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ō
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	0
CRUSTA	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	30 ppm	0	0	0	Õ	0	Ō	Ö	0	Ö	Ö	Ö	0	0	Ŏ
	90 ppm	0	0	0	0	0	0	0	0	Ō	Ö	Ö	Ö	Ö	Ö
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	0	Ö
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	1	1	0	1	1	1	1

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 99

linical sign	Group Name	Admini	istration W	leek-day	·					•					
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
			1	1	1	1	1	1	1	1	1	1	1	1	1
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0 .	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEM I A	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	1	0	0	0	0	1
	5 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	. 1	1	1	1	2	0	0	0	1	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	1	1	0	1	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE: 100

Clinical sign	Group Name	Admini	stration W	leek-day											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
										e.					
1.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	1	0	0	0	0	0	0	0	. 0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	1	1	1	1	1	1	2	2
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 101

Uinical sign	Group Name	Admin	istration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	1	1	1	1	1	1	1	2	2	2
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EOSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	. 0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	5 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	2	2	2	2	2	2	2	2	2	2	2	1	1	0
	90 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)

ALL ANIMALS

SEX : FEMALE

PAGE : 102

Clinical sign	Group Name	Admin	istration W	eek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1 .	1	. 1	1	1	1	1	1	1	1	1	1	1
f.HINDLIMB	Cantural	٨	0	0	•	0	^	٥	•	^	^	٥	2	•	٥
I. HINDLIND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	-	0	0	0	0	-	0	0	0	0	•	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
NEMIA	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
EOSION	Control	0	0	0	0	0	. 0	0	0	0	0	0	0	0	0
	5 ppm	0	Ō	0	0	0	0	Ö	Ö	0	0	0	0	0	Ō
	30 ppm	0	Ŏ	Ŏ	0	Ö	Ö	Ŏ	Ô	Ö	Ŏ	Õ	Ö	0	Ö
	mqq 08	0	0	0	ŏ	ō	0	0	0	Ö	ŏ	ŏ	0	Ö	0
RUSTA	Control	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	Ö	0	0	0	0	Ō	0	0	0	0	Ô	Ö	Ŏ
	30 ppm	0	0	Ö	0	0	0	Ö	0	0	0	Ö	Ö	0	Ö
	mqq 08	Ō	0	0	Ö	Ŏ	ŏ	Ô	Ŏ	Ö	Ŏ	Ö	Ŏ	Ö	0
ORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	Ö	Ö	Ŏ	0	0	0	Ö	0	0	0	Ö	0
	30 ppm	0	0	Ő	0	0	0	0	0	0	0	0	1	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 103

Clinical sign	Group Name	Admin	istration W	leek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
.GENITALIA	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	30 ppm	1	1	0	. 0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	1	0	1	0
	90 ppm	0	0	0	0	0	0 .	0	0	0	0	0	0	0	0
NEMIA	Control	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	1	0	0
REOSION	Contral	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	. 0	0
	5 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	90 ppm	0	0	0	Ō	0	Ō	0	ŏ	Ö	ŏ	Ö	Ô	ō	0
ORTICOLLIS	Control	0	0	0	0	0	1	1	1	1	1	1	1	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	Ô	Ö	0	0	0	Ŏ	Ö	0	0	0	Ô	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 104

Clinical sign	Group Name	Admini	stration	Week-day					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	
		1	1	1	1	1	1	1	
1.HINDLIMB	Control	0	0	0	0	1	1	1	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	1	0	0	0	0	0	0	
.GENITALIA	Control	0	0	0	0	0	0	0	
	5 ppm	0	1	1	1	1	1	1	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
EDEMA	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	Ō	Ô	Ö	ŏ	
	30 ppm	. 0	0	0	0	0	0	Ö	
	90 ppm	0	0	0	0	0	0	0	
NEMIA	Control	1	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	1	
	90 ppm	0	0	0	0	0	0	0	
REOSION	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	Ō	0	Ö	0	ŏ	
	30 ppm	0	0	0	0	0	0	Ö	
	90 ppm	0	0	0	Ŏ	Ö	Ö	Ô	
CRUSTA	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	Ö	0	Ŏ	Ő	
	30 ppm	0	0	0	0	0	0	ő	
	90 ppm	Ö	0	Ö	0	ő	Ö	Ŏ	
TORTICOLLIS	Control	0	0	0	0	0	0	0	
	5 ppm	Ō	ŏ	0	Ö	0	Ö	ŏ	
	30 ppm	Ŏ	Ö	0	Ö	0	0	0	
	90 ppm	0	0	0	0	0	0	0	

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 105

Clinical sign	Group Name	Adminis	stration We	eek-day						,					
		0-0	1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
														,	
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm`	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	90 ppm	0	0	0	0	0	0	0	0	Ō	0	0	0	0	0
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	Ō	0	0	0	Õ	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	Ö	0	0	0	Ö	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	mqq 08	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0 -	0	0	0	0	0	0	0	0	0
	90 ppm	. 0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE: 106

linical sign	Group Name	Admin	istration (leek-day											
		14-7	15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
DECILIAD DECITIVA	0 1	•	•	•			_			_		_	_		
EGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0 -	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0 .	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	1	0	1	1	1	1	1
ORMAL RESPIRATION	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	1	0	1	1	1	1	1
IDYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PBREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	Ö	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0 .	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	. 0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	Ō	0	0	Ö	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 107

Clinical sign	Group Name	Admin	stration W	leek-day											:
		28-7	29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
RREGULAR BREATHING	Cont. I	•	2	٥	•	•	•	۰						•	•
AREGULAR BREATHING	Control	0	0	0	0	0	0	0	1	1	. 1	1	0	0	0
	5 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	U	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	1	1	1	1	1	0	1	0	0	0	0	. 0	0	0
BNORMAL RESPIRATION	Control	0	0	0	0	0	0	0	1	1	1	1	0	0	0
	5 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	ō	0	Ö	0	Ö	Ō	Ô	Ö	Ö	Ö	Ö	Ö	0
	90 ppm	1	1	1	1	1	0	1	Ö	Ö	Ö	Ö	0	Ö	0
BRADYPNEA	Control !	0	۸	۸	0	0	۸	0	۸	0	0	0	0	0	•
DAADIFACA	Control 5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
					0	-	-	0	0	0	0	0	v	0	
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	. 0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
.00SE STOOL	Control	0	0	0	0	0	0	. 0	0	0	0	0	0	0	0
	5 ppm	0	Ö	Ö	Ŏ	Ů	Ö	Õ	0	Ö	Ö	Ö	Ô	0	Ö
	30 ppm	0	ŏ	0	ő	0	Ö	Ö	Ö	Ő	Ö	0	0	0	0
	90 ppm	Ö	Ö	Ö	Ö	Ö	ő	0	Ö	Ö	0	0	0	0	0
SMALL STOOL	Control	0	0	0	0	0	0	0	٨	0	٥	٥	٥	٥	^
DIMED DIVOT		0	0					0	0		0	0	0	0	0
	5 ppm	-		0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
UBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	.0	0	0	Ö	0	0	Ö	0	Ö	0
	30 ppm	0	0	0	0	0	0	0	Ö	0	0	0	0	Ō	0
	90 ppm	0	0	0	0	Ö	0	Ö	0	0	0	0	0	0	ő

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 108

Linical sign	Group Name	Admini	stration 0	leek-day _											
		42-7	43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7
		1.	1	1	1	1	1	1	1	1	1	1	1	1	1
REGULAR BREATHING	Control	1	1	2	1	0	0	1	1	1	1	٥	٥	0	0
medobili bilentiitiko	5 ppm	0	0	0	0	0	0	0	1	1	1 0	0 0	0	0	0
	30 ppm	0	0	0	0	0	0	1	1	1	1		1		
	90 ppm	0	1	1	1	1	1	1	1			1		2	1
	an bbii	V	1	1	1	1	1	1	1	1	0	1	0	0	0
NORMAL RESPIRATION	Control	1	1	2	1	0	0	1	1	1	1	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö
	30 ppm	0	0	0	0	0	0	1	. 1	1	1	1	1	2	1
	90 ppm	0	1	1	1	1	1	1	1	1	0	1	Ô	0	1
ADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	Ö	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	Ô	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	Ö	0	0	0	ő	0	0	0	0	0	0	0	0
EP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
OSE STOOL	Contral	0	0	0	0	0	0	0	0	0	^	0	۸	٥	٥
70B 0100B	5 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	. 0	0	0	0	0	0	0	0	0	0
	1199 VB 1199 VB	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ov Phil	V	V	U	V	U	U	V	U	V	U	V	U	U	0
ALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	Ō	Ō
BNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	Ō	0	Ō	Ŏ	0	Ö	ő	0	0	0	0	0	0	0
	30 ppm	0	0	Ö	Ö	0	0	Ö	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	00 66111	V	•	v	v	v	v	V	V	v	V	V	v	v	v

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

5=

SEX : FEMALE

PAGE : 109

linical sign	Group Name	Admin	istration W	eek-day											
		56-7	57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7
		1	1	1	1	1	1	1	1	- 1	1	1	1	1	1
DECHI ID DDE ATHING	Courter I	•	•	0	٥	•	•	٥	٥	•	^	٥	0	٥	,
RREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	•
	30 ppm	1	2	1	1	2	1	2	1	1	1	2	1	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ORMAL RESPIRATION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	2	1	1	2	1	2	1	1	1	2	1	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ADYPNEA	Control	0	0	. 0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0 -	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0 .	0	0	0	0	0	0	0	0	0	0	0	0	0
ALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 110

Clinical sign	Group Name	Admin	stration W	leek-day											
		70-7	71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	1	2	2	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	2	2
	90 ppm	0	0	1	0	0	0	0	1	0	1	1	1	1 -	1
BNORMAL RESPIRATION	Control	. 0	0	0	0	0	0	0	0	0	1	2	2	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	1	2	2
	90 ppm	0	0	1	0	0	0	0	1	0	1	1	1	1	1
BRADYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	. 0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30 ppm	0	0	0	0	0	0	0 .	0	0	0	0	0	0	0
	90 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
LOOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALL STOOL	Control	0	0	0	0	0	0	0	0	0	. 0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY) ALL ANIMALS

SEX : FEMALE

PAGE : 111

linical sign	Group Name	AQMINI	istration 🎚	leek-day											
		84-7	85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7
		1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0														
RREGULAR BREATHING	Control	1	1	1	0	0	0	0	0	0	1	0	0	0	1
	5 ppm	1	2	2	2	2	2	1	3	3	1	1	1	1	1
	30 ppm	1	1	0	0	0	0	0	1	1	1	2	1	2	2
	90 ppm	1	1	0	0	0	0	0	0	0	0	0	1	0	0
BNORMAL RESPIRATION	Control	1	1	1	0	0	0	0	0	0	1	0	0	0	1
	5 ppm	1	2	2	2	2	2	1	3	3	1	1	1	1	1
	30 ppm	1	1	0	0	0	0	0	1	1	1	2	1	2	2
	90 ppm	1	1	0	0	0	0	0	0	0	0	0	1	0	0
RADYPNEA	Control	0	0	0	0	0	0-	0	0	0 .	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	. 0	0	0	0	0	0	0	0	0	0	0	0	1	0
	90 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
EEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	30 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	90 ppm	0	1	0	. 0	0	0	0	Ō	Ō	0	0	1	0	0
DOSE STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	Ö	0	0	Ö	Ö	Ŏ	0	0	0	0	0
	30 ppm	Ö	0	0	Ŏ	Ŏ	0	Ô	Ö	Ŏ	Ö	Ö	0	0	Ö
	90 ppm	0	Ŏ	0	0	0	Ö	Ö	0	0	0	0	0	Ö	0
fALL STOOL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	Ö	Ō	Ö	Ŏ	0	Ö	Ö
	30 ppm	0	0	0	0	0	0	Ô	0	Ö	Ŏ	0	0	0	0
	90 ppm	0	0	0	ŏ	Ö	Ö	Ö	Ö	0	0	0	Ö	Ö	ő
BNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	Ŏ	Ö	Ŏ	Ö	0	0	0	Ŏ	Ŏ	Ő
	30 ppm	0	0	ő	0	0	Ö	ő	0	Ő	Ŏ	0	Ŏ	0	0
	90 ppm	Ŏ	0	0	0	0	Ô	Ô	0	0	0	0	1	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 112

Clinical sign	Group Name	Admini	stration!	Week-day					
		98-7	99-7	100-7	101-7	102-7	103-7	104-7	 ·
		1	1	1	1	1	1	1	
	· · · · · · · · · · · · · · · · · · ·								
IRREGULAR BREATHING	Control	2	1	1	0	0	1	1	
	5 ppm	1	ō	Ô	Ö	Ö	Ô	0	
	30 ppm	ī	0	1	0	0	0	1	
	90 ppm	ō	0	0	Ö	0	0	Ô	
	(-)	-	·	·	v	v	J		
ABNORMAL RESPIRATION	Control	2	1	1	0	0	1	1	
	5 ppm	1	0	0	0	0	0	0	
	30 ppm	1	0	1	0	0	0	1	
	90 ppm	0	0	0	. 0	0	0	0	
BRADYPNEA	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	Ö	Ö	0	0	
	30 ppm	. 0	Ö	Ö	0	0	0	0	
	90 ppm	0	0	Ö	0	0	0	0	
		•	·		v	v	v	V	
DEEP BREATHING	Control	1	0	0	0	0	0	0	
	5 ppm	1	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	1	
	90 ppm	0	0	0	0	0	0	0	
LOOSE STOOL	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	Ö	0	0	
	90 ppm	0	0	0	0	0	0	0	
	oo ppiii		v	V	v	V	V	V	
SMALL STOOL	Control	0	0	0	0	0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0 -	0	0	0	
	90 ppm	0	0	0	0	0	0	0	
dibioni, main									
SUBNORMAL TEMP	Control	0	1	0	0	,0	0	0	
	5 ppm	0	0	0	0	0	0	0	
	30 ppm	0	0	0	0	0	0	0	
	90 ppm	0	0	0	0	0	0	0	

APPENDIX B 1

BODY WEIGHT CHANGES :SUMMARY, RAT : MALE (2-YEAR STUDY)

ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

p Name	Adminis	tration	week											
	0		1		2		3		4		5		6	
Control	130±	6	100.1	0	100-1-	10	010.1	1.4	040 !	10	000 1	1.77	000.1	17
CONTROL	750 II	0	162±	9	192±	12	218±	14	242±	16	263±	17,	280±	17
10 ppm	130±	6	154±	9**	179±	12**	204±	15**	227±	17**	247±	18**	262±	18**
30 ppm	130±	6	155±	8**	178±	11**	200±	14**	221±	15**	241±	16**	256±	16**
90 ppm	130±	6	150±	9**	172±	13**	193±	16**	212±	18**	230±	19**	244士	20**
Significant differen	nce; *:P≦0.	05	**: P ≤ 0.01	l			Test of Du	nnett						
360)														

STUDY NO. : 0115 ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104 SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name Administration week_ 7 10 11 12 13 Control 298± 17 312± 18 327 ± 19 337± 20 347± 20 357± 21 366± 21 10 ppm 278士 19** 291 ± 19** 305士 20** 324士 22** 333士 22** 343± 23** 30 ppm 270± 16** 282± 16** 305士 17** 323± 18** 331士 17** 296± 16** 314士 18** 90 ppm 257士 21** 267士 21** 279± 21** 286士 21** 294± 20** 302± 20** 309士 21** Significant difference; $*: P \leq 0.05$ **: P ≤ 0.01 Test of Dunnett

(HAN260)

BAIS 2

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

UNIT : g
REPORT TYPE : A1 104

SEX: MALE

PAGE: 3

p Name	Admini	stration	week								-		
	14		16	18		20		22		24		26	
Control	374±	22	387± 2	21 397±	21	407±	22	419±	23	427±	23	437±	24
10 ppm	349±	23**	362± 2	369±	23**	376±	23**	385±	24**	395±	24**	405±	26**
maq 08	340±	18**	352± :	9** 364±	20**	370±	20**	379±	21**	388±	21**	398±	22**
90 ppm	315±	22**	327± 2	21** 337±	21**	339±	21**	345±	21**	352±	21**	363±	21**
· · · · · · · · · · · · · · · · · · ·													
Significant differen	nce; *:P≦().05 *	o*: P ≤ 0.01			Test of D	unnett						

(HAN260)

BAIS 2

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name Administration week_ 30 32 34 36 38 40 Control 445± 25 451 ± 25 460± 26 465± 27 470± 26 472± 26 475± 28 10 ppm 412± 26** 417± 27** 425士 27** 430± 28** 438± 28** 443± 28** 435士 28** 30 ppm 406士 22** 411± 23** 419± 22** 424士 23** 428± 22** 432± 23** 440± 23** 90 ppm 371± 22** 377士 22** 384生 23** 391± 24** 395± 25** 395士 26** 406± 26**

Test of Dunnett

(HAN260)

Significant difference : $*: P \leq 0.05$

** : $P \leq 0.01$

BAIS 2

UNIT : g

REPORT TYPE : A1 104

Significant difference ; $*: P \leq 0.05$

 $** : P \leq 0.01$

SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

Administration week_ Group Name 44 46 48 50 52 54 Control 482士 27 488± 27 491± 29 491± 37 494± 38 501± 28 502± 28 10 ppm 447± 29** 452± 30** 457± 31** 459士 30** 462± 31** 465士 31** 468士 32** 30 ppm 443± 23** 448士 24** 450± 25** 454± 25** 458± 26** 460土 26** 462± 26** 90 ppm 409士 27** 414± 25** 417± 26** 418± 30** 419± 30** 422± 34** 424士 35**

(HAN260) BAIS 2

Test of Dunnett

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104 SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

up Name	Admini	istration	week .										
	56		58	60		62		64		66		68	
Control	506±	29	510± 29	511±	33	514±	31	516±	32	519±	31	520±	32
10 ppm	471±	31**	475± 35	*** 477±	33**	479士	32**	482±	33**	483±	33**	485±	32**
30 ppm	464±	26**	468± 27	*** 469±	26**	472±	27**	475±	27**	475±	27**	477±	27**
90 ppm	424±	36**	434± 24	** 433±	24**	434±	22**	438±	25**	435±	25**	441±	25**
Significant difference	ce; *:P≦(0.05 *	* : P ≤ 0.01	·		Test of Du	unnett						

(HAN260)

BAIS 2

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

(SUMMARY) BODY WEIGHT CHANGES ALL ANIMALS

p Name	Admin	istration	week											
	70		72		74		76		78		80		82	
Control	519±	31	517±	32	518±	33	518±	32	516±	32	516±	33	515±	
10 ppm	483±	32**	482±	32**	481±	32**	479±	34**	479±	37**	486±	37**	482±	38**
30 ppm	475±	30**	476±	27**	475±	28**	474±	29**	472±	37**	481±	29**	483±	27**
90 ppm	441±	26**	441±	25**	441±	26**	441±	27**	443±	27**	445±	30**	443±	36**
Significant difference	; *:P≦	0.05	**: P ≤ 0.0	01			Test of D	unnett						
260)					······									

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES

(SUMMARY)

ALL ANIMALS

up Name	Admin	istration	week_											
	84		- 86		88		90		92		94		96	
Control	510±	44	507±	46	500±	50	494±	55	487±	61	486±	52	474±	58
10 ppm	486±	37**	485±	37*	481±	42	480±	48	476±	45	468±	46	470±	40
30 ppm	483±	27**	481±	30**	474±	33*	471±	42*	474±	31	470±	36	472±	32
90 ppm	438±	44**	445±	36**	440±	39**	437±	30**	439±	33**	436±	34**	431±	38**
Significant differenc	ce; *; P ≦	0.05	**: P ≦ 0.	01			Test of Du	nnett						
N260)														

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 9

up Name	Admin	istration	week_						
	98		100	102		104			
Control	462±	60	454± 72	2 450±	66	449±	67		
10 ppm	462±	42	461± 43	3 459±	45	454±	43		
30 ppm	470±	33	470± 38	5 466±	38	463±	46		
90 ppm	432±	36**	427± 38	3** 421±	46**	415±	52*		
					······································				· · · · · · · · · · · · · · · · · · ·
Significant difference;	*: P ≦	0.05 *	**: P ≤ 0.01			Test of Dur	nett		
inco)								 • • • • •	

(HAN260)

BAIS 2

APPENDIX B 2

BODY WEIGHT CHANGES: SUMMARY, RAT: FEMALE

(2-YEAR STUDY)

STUDY NO.: 0115 ANIMAL : RAT F344 UNIT : g REPORT TYPE : A1 104

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

SEX : FEMALE

PAGE: 10

	4400011111	stration	week											
	0		1		2		3		4		5		6	
Control	99±	4	116±	5	131±	5	143±	7	154±	7	163±	9	173±	10
10 ppm	99±	4	112±	5**	124±	5**	136±	6**	146±	6**	156±	7**	163±	6**
30 ppm	99±	4	110±	5**	121±	6**	131±	6**	141±	7**	152±	8**	158±	9**
90 ppm	99±	4	107±	4**	117±	5**	127±	5**	135±	6**	147±	7**	153±	7**
										 				
Significant difference;	* : P ≤ 0	.05	**: P ≦ 0.0	1			Test of Du	unnett						

(HAN260)

BAIS 2

STUDY NO. : 0115 ANIMAL : RAT F344 UNIT : g REPORT TYPE : A1 104

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

SEX : FEMALE

PAGE: 11

9	10	11	10	
			12	13
192± 10	197± 10	201± 11	205± 11	210± 10
* 183± 7**	187± 8**	193± 8*	198± 9**	202± 9**
* 175± 11**	180± 11**	185± 12**	190± 12**	193± 12**
* 170± 8**	172± 8**	176士 9**	179± 9**	182± 9**
	Test of Dunnett			
		Test of Dunnett	Test of Dunnett	Test of Dunnett

(HAN260)

BAIS 2

UNIT : g

REPORT TYPE : A1 104 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

Group Name Administration week_ 20 14 16 18 22 24 26 Control 213± 10 219± 10 223± 11 227± 11 233± 12 235± 13 239± 12 10 ppm 205± 8* 213± 9 218士 10* 221± 10* 228± 10 230± 10 234± 10 30 ppm 197± 13** 203士 13** 209士 13** 212± 13** 217± 14** 221± 14** 225± 15** 90 ppm $183 \pm$ 9** 189± 9** 195士 10** 195士 10** 198± 10** 199士 10** 203士 11** Significant difference; $*:P \leq 0.05$ $** : P \leq 0.01$ Test of Dunnett

(HAN260)

BAIS 2

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

REPORT TYPE : A1 104

UNIT : g

SEX : FEMALE

oup Name	Admin	istration	week											
	28		30		32		34		36		38		40	
Control	242±	13	245±	13	250±	14	253±	14	255±	15	258±	16	261±	16
10 ppm	238±	11	239±	11*	244±	11	249±	12	251±	13	253±	12	259±	12
30 ppm	229±	15**	231±	15**	237±	16**	240±	17**	242±	17**	245±	17**	251±	16**
90 mag 08	208±	11**	210±	11**	210±	11**	214±	11**	218±	11**	220±	12**	226±	13**
								· · · · · · ·						.
Significant difference;	*: P ≦	0.05 *	o*: P ≦ 0.0	01			Test of Du	nnett						
1260)														

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

p Name	Admini	stration	week											
	42		44		46		48		50		52		54	
Control	264±	18	269±	18	271±	19	273±	19	276±	20	280±	21	282±	22
10 ppm	261±	12	266±	13	269±	13	271±	14	275±	15	279±	16	283±	16
30 ppm	253±	17*	258±	18	261±	18	264±	18*	266±	18	269±	19**	273±	20
90 ppm	228±	13**	231±	13**	234士	14**	235±	14**	237±	14**	237±	15**	241±	14**
Significant difference	ce; *:P≦().05	**: P ≦ 0.0	1			Test of Dun	nett						
260)					•					•				

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES

ALL ANIMALS

PAGE: 15

₽ Name	Admini	stration	week											
	56		58		60		62		64		66		. 68	
Control	286±	22	292±	23	297±	25	300±	25	304±	25	307±	26	312±	25
10 ppm	290±	16	294±	18	300±	18	302±	20	307±	20	309±	21	315±	20
30 ppm	276±	20	279±	21	285±	21**	289±	22*	294±	22*	297±	21	301±	21*
90 ppm	240±	15**	246±	15**	247±	18**	250±	17**	253±	18**	254±	19**	259±	18**
Significant difference	ce; *; P ≦ 0	0.05	** : P ≤ 0.	01			Test of Do	unnett						
N260)														

(SUMMARY)

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 16

up Name	Admin	istration	week											
	70		72		74		76		78		80		82	
Control	312±	26	312±	26	316±	25	319±	26	318±	27	320±	30	2001	20
Out is de	3121	20	312.1.	20	210 ⊥	20	219.7	20	310≖	21	320I	30	323±	33
10 ppm	312±	22	312±	22	315±	24	316±	25	317±	24	323±	25	326±	26
30 ppm	300±	23*	303±	24	304±	24	306±	25*	307±	25	309±	25	314±	26
90 mag 08	258土	20**	261±	22**	264±	22**	266±	24**	266±	24**	269±	21**	275±	23**
Significant difference;	*: P ≦	0.05	**: P ≤ 0.	01			Test of Du	innett						
V260)					a. a									

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 17

₽ Name	Admin	istration	week										•	
	84		86		88		90		92		94		96	
Control	327±	34	327±	34	328±	27	328±	28	326±	29	326±	32	326±	36
10 ppm	329±	27	328±	29	326±	28	323±	29	321±	36	326±	29	326±	31
30 ppm	316±	27	316±	28	312±	32*	310±	33*	309±	35	308±	35*	308±	36*
90 ppm	274±	24**	275±	22**	271±	23**	268±	25**	268±	24**	267±	26**	268±	26**
			·						· · · · · · · · · · · · · · · · · · ·					
Significant difference	ce; *:P≦	0.05 *	*: P ≤ 0.0	01			Test of Du	unnett						

(HAN260)

BAIS 2

ANIMAL : RAT F344 UNIT : g

REPORT TYPE : A1 104 SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	Admini	stratio	n week_					
	98		100		102		104	
Control	220 1	44	200 +	20	200.1	40	000 1	
CONTRI DE	322±	44	326±	38	323±	43	328±	41
10 ppm	325±	33	328±	22	325±	97	200.1	0.5
10 bbitt	323 I	JJ	320 T	SS	320 I	31	329±	35
30 ppm	311±	36	314±	3/1	314±	37	313±	49
оо ррш	0111	50	. 014.1	04	3141	31	919.T	43
90 ppm	270±	28**	271±	27**	273±	26**	277±	23**
,,	· · · · ·		2,12		5.01	2011	D11 ±	20
•								
Significant difference	e; *:P≦(.05	**: P ≤ 0.0)1			Test of Dur	nett
(HAN260)								
(IIAHZUV)								

APPENDIX B 3

BODY WEIGHT CHANGES :SUMMARY, MOSUE : MALE (2-YEAR STUDY)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administratio	on week					
	0	1	2	3	4	5	6
Control	22.1± 0.9	23.9± 0.9	25.1± 1.0	26.0± 1.2	26.5± 1.3	27.0± 1.6	27.9± 1.7
5 ppm	22.1± 0.9	22.6± 1.2**	23.4± 1.4**	24.1± 1.0**	24.3± 1.1**	24.7± 1.2**	24.9± 1.1**
30 ppm	22.1± 0.9	22.9± 0.9**	24.2± 1.1**	24.3± 1.1**	24.7± 1.0**	25.1± 1.1**	25.5± 1.1**
90 ppm	22.1± 0.9	22.5± 1.0**	23.8± 1.0**	23.9± 0.9**	24.2± 1.5**	24.6± 0.9**	24.8± 1.0**
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
HAN260)							В

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

iroup Name	Administration week							
	7	8	9	10	11	12	13	
Control	28.4± 2.0	29.2± 2.1	29.9± 2.3	30.5± 2.4	31.3± 2.6	32.0± 2.5	32.8± 2.7	
5 ppm	25.4± 1.1**	25.8± 1.1**	26.7± 1.4**	26.2± 1.3**	27.3± 1.4**	27.5± 1.5**	28.1± 1.6**	
30 ppm	25.8± 1.1**	26.3± 1.2**	27.5± 1.3**	27.2± 1.4**	27.3± 1.3**	27.6± 1.5**	28.1± 1.6**	
mag 08	24.6± 1.0**	25.1± 0.8**	26.4± 1.0**	25.7± 0.9**	26.1± 0.8**	26.3± 1.1**	26.7± 1.1**	
Significant difference;	*: P ≦ 0.05	** : P \le 0.01		Test of Dunnett				
HAN260)							Ba	

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

up Name	Administration week							
	14	16	18	20	22	24	26	
Cantrol	33.5± 2.7	34.9± 3.0	36.2± 3.1	37.2± 3.3	38.5± 3.6	39.3± 3.7	40.5± 3.8	
5 ppm	29.0± 1.8**	29.9± 2.1**	30.1± 2.1**	31.0± 2.2**	31.9± 2.5**	32.4± 2.5**	33.5± 2.8**	
30 mag 08	29.2± 1.7**	27.5± 2.8**	29.2± 2.1**	30.0± 2.3**	30.8± 2.6**	31.3± 2.8**	32.1± 3.1**	
90 ppm	27.5± 1.2**	25.2± 1.8**	26.9± 1.4**	27.8± 1.2**	28.2± 1.4**	28.4± 1.3**	29.5± 1.6**	
<u> </u>								
Significant difference ;	* : P ≦ 0.05	** : P ≤ 0.01		Test of Dunnett				
V260)								

(HAN260)

BAIS 2

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES

ALL ANIMALS

(SUMMARY)

roup Name	Administration week							
	28	30	32	34	36	38	40	
Control	41.4± 3.9	42.4± 4.2	43.4± 4.2	43.9± 4.2	44.8± 4.3	45.4± 4.1	45.8± 4.3	
5 ppm	33.7± 2.9**	34.2± 3.1**	35.4± 3.3**	35.2± 3.3**	35.7± 3.6**	35.9± 3.6**	36.2± 3.7**	
30 ppm	32.7± 3.3**	33.2± 3.5**	34.2± 3.7**	34.6± 3.7**	34.9± 3.8**	35.1± 3.8**	35.5± 4.0**	
90 ppm	29.5± 1.7**	30.1± 2.0**	31.3± 2.2**	31.1± 2.4**	31.5± 2.3**	32.1± 2.6**	32.2± 2.5**	
Significant difference;	*: P ≤ 0.05	** : P ≦ 0.01		Test of Dunnett				
HAN260)								

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administration	Administration week							
	42	44	46	48	50	52	54		
Control	45.9± 4.7	46.6± 4.1	47.2± 4.3	47.6± 4.4	48.0± 4.3	47.7± 3.9	48.2± 3.9		
5 ppm	36.5± 3.8**	37.2± 3.9**	38.2± 3.8**	38.5± 3.8**	39.0± 4.1**	39.3± 4.2**	39.6± 4.3**		
30 ppm	35.9± 4.0**	36.4± 4.1**	37.1± 4.0**	37.3± 4.1**	37.6± 4.1**	37.5± 4.2**	37.9± 4.2**		
90 ppm	32.9± 2.8**	33.2± 2.9**	33.7± 3.0**	33.9± 2.8**	34.1± 3.1**	34.3± 3.0**	34.1± 2.9**		
Significant difference	e; *:P≦0.05	** : P ≤ 0.01		Test of Dunnett					
IAN260)							В		

ANIMAL : MOUSE BDF1 UNIT : g REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

PAGE: 6

oup Name	Administration	week					
	56	58	60	62	64	66	68
Control	48.7± 4.0	48.9± 4.0	49.0± 4.0	49.4± 3.9	49.3± 4.1	49.5± 4.1	49.3± 4.4
5 ppm	40.3± 4.3**	40.2± 4.3**	40.2± 4.4**	40.6± 4.5**	40.9± 4.6**	40.8± 4.4**	40.4± 4.6**
30 ppm	38.6± 4.3**	38.7± 4.4**	38.7± 4.6**	38.6± 5.4**	38.6± 5.0**	39.0± 5.0**	39.3± 4.0**
90 ppm	35.1± 3.0**	35.1± 3.1**	35.4± 3.1**	35.9± 3.2**	35.4± 3.0**	35.8± 3.2**	35.8± 3.3**
Significant differenc	e; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
N260)							

(HAN260)

ANIMAL : MOUSE BDF1
UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 7

TOUP Name	Administration	week					
	70	72	74	76	78	80	82
Control	48.6± 5.8	49.3± 4.9	50.0± 5.0	50.3± 5.4	50.6± 5.6	50.1± 6.2	50.2± 6.3
5 ppm	40.4± 4.5**	40.6± 4.7**	41.3± 4.7**	41.7± 5.0**	41.8± 4.8**	41.3± 5.2**	41.4± 5.2**
30 ppm	39.8± 4.0**	39.8± 4.6**	39.9± 5.0**	40.7± 4.7**	40.6± 4.6**	40.6± 4.4**	40.9± 4.7**
90 ppm	36.3± 3.4**	36.5± 3.5**	36.5± 4.3**	36.7± 3.4**	36.8± 3.8**	37.1± 3.4**	37.2± 3.4**
Significant difference:	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
AN260)						•	В

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES

ALL ANIMALS

PAGE: 8

oup Name	Administration	week					
	84	86	88	90	92	94	96
Control	50.6± 6.7	51.3± 6.2	51.8± 5.3	51.7± 5.8	52.3± 5.2	51.3± 6.0	50.6± 6.6
5 ppm	42.0± 5.3**	42.0± 5.3**	41.8± 5.5**	41.4± 5.9**	42.1± 6.3**	42.4± 5.7**	42.4± 5.7**
30 ppm	41.2± 4.6**	41.4± 5.1**	41.4± 5.0**	41.4± 5.0**	41.6± 5.0**	41.4± 5.0**	41.5± 4.8**
90 ppm	37.2± 3.3**	37.5± 3.4**	37.5± 3.6**	37.9± 3.5**	37.4± 3.5**	37.0± 3.5**	37.0± 3.9**
Significant differe	ence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
AN260)							

(SUMMARY)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administration	week			 	
	98	100	102	104		
Control	50.0± 7.5	50.7 ± 7.0	49.1± 6.8	47.9± 7.3		
5 ppm	42.1± 5.8**	42.0± 5.6**	41.0± 5.9**	40.9± 5.3**		
30 ppm	41.1± 4.8**	41.0± 4.7**	40.8± 4.7**	39.8± 4.8**		
90 ppm	36.3± 3.5**	36.4± 3.0**	36.1± 3.0**	35.9± 3.0**		
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett		
IAN260)		·				

APPENDIX B 4

BODY WEIGHT CHANGES : SUMMARY, MOSUE: FEMALE (2-YEAR STUDY)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

Group Name	\$ -F	1					PAGE : 10
in name	Administration O	1 Week1	2	3	4	5	6
Contral	18.6± 0.8	19.5± 1.1	20.1± 0.9	21.0± 1.0	21.7± 1.0	22.0± 0.9	22.4± 1.1
5 ppm	18.5± 0.8	18.6± 0.9**	19.4士 1.1**	20.2± 0.8**	20.8± 0.9**	21.5± 1.0	21.8主 0.9**
30 ppm	18.6± 0.7	18.6± 0.8**	19.7± 0.8	20.3± 0.8**	21.0± 0.8**	21.6± 1.0	22.0± 1.0
90 ppm	18.5± 0.7	18.4± 0.9**	19.7± 0.9	20.2± 0.9**	20.9± 0.9**	21.5± 1.1*	21.7± 0.8**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
(HAN260)							BAIS 2

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

oup Name	Administration	n week					
	7	8	9	10	11	12	13
Control	22.6± 1.5	23.4± 1.4	23.4± 1.0	23.6± 1.1	24.0± 1.2	24.4± 1.3	25.2± 1.3
7 mag 2	22.1± 0.9*	22.4± 0.8**	23.1± 1.2	22.8± 1.0**	23.6± 1.1	23.6± 1.1**	24.2± 1.3**
30 ppm	22.4± 0.9	23.0± 0.9	23.5± 1.2	23.7± 1.0	23.9± 0.8	24.3± 0.9	24.5± 1.0*
90 ppm	21.9± 0.9**	22.4± 0.8**	23.4± 0.9	23.1± 0.8*	23.6± 0.9	23.7± 0.8**	23.8± 1.4**
		,			. , , , , , , , , , , , , , , , , , , ,		
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
N260)							

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administration	week						
	14	16	18	20	22	24	26	
Control	25.4± 1.6	26.0± 1.7	26.4± 1.8	27.6± 2.1	27.6± 2.6	28.1± 2.4	28.8± 2.6	
5 ppm	24.5± 1.2**	25.0± 1.5**	25.1± 1.6**	25.8± 1.4**	26.4± 1.8**	26.7± 1.8*	27.3± 2.1**	
30 mag 08	24.6± 0.9*	25.2± 1.2	25.1± 0.8**	26.6± 1.4	26.5± 1,6*	26.9± 1.5	27.2± 1.7*	
90 ppm	24.4± 0.9**	24.4± 1.1**	24.5± 1.0**	25.3± 1.3**	25.5± 1.4**	25.6± 1.5**	26.1± 1.8**	
						,		
Significant differenc	ce; *: P ≦ 0.05	**: P ≦ 0.01		Test of Dunnett				
AN260)								В

ANIMAL : MOUSE BDF1
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

oup Name	Administration	week					
	28	30	32	34	36	38	40
Control	29.2± 3.0	29.6± 2.9	30.3± 3.6	30.7± 3.5	30.5± 3.6	31.3± 3.5	30.9± 3.8
5 ppm	27.3± 2.1**	27.7± 2.3**	28.5± 2.5*	28.4± 3.1**	28.6± 2.5*	29.4± 2.7*	29.0± 3.0*
30 ppm	28.0± 1.9	28.0± 2.2*	28.7± 2.5	28.4± 2.4**	29.0± 2.6	29.1± 2.6**	29.3± 2.8
90 ppm	26.2± 1.5**	26.0± 1.8**	26.9± 1.7**	26.7± 1.7**	27.0± 1.7**	27.1± 1.8**	27.2± 2.3**
Significant difference	; *: P ≤ 0.05	** : P ≦ 0.01		Test of Dunnett			
AN260)							

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administrati	on week					
	42	44	46	48	50	52	54
Control	31.8± 3.9	31.6± 4.2	32.6± 4.0	32.8± 4.2	33.5± 4.1	33.3± 4.4	33.8± 4.0
5 ppm	29.7± 3.1*	29.9± 3.3	30.7± 3.5*	30.7± 3.4*	31.0± 3.9**	30.9± 3.8*	31.4± 3.8*
30 ppm	29.2± 2.5**	29.6± 3.0	30.9± 3.2	30.4± 3.4*	30.8± 3.8**	30.9± 3.8*	30.8± 4.3**
90 ppm	27.6± 2.2**	27.7± 2.2**	28.2± 2.5**	28.3± 2.4**	28.5± 2.6**	28.5± 2.5**	28.4± 2.5**
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
AN260)							

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES

ALL ANIMALS

PAGE: 15

-bup Name	Administration	week					
	56	58	60	62	64	66	68
Control	34.6± 4.6	34.7± 4.4	34.7± 5.0	35.7± 4.8	35.6± 5.0	35.5± 4.7	35.3± 5.3
5 ppm	32.4± 3.8	32.5± 4.4	32.7± 4.1	33.4± 4.1	33.2± 3.9	33.6± 4.7	33.8± 4.6
30 ppm	31.5± 4.1**	31.4± 3.8**	31.7± 4.2*	32.6± 4.6**	31.4± 4.1**	31.8± 4.3**	32.5± 4.2*
90 ppm	29.0± 2.7**	28.7± 2.6**	29.0± 3.1**	29.4± 3.1**	29.2± 3.1**	29.4± 2.9**	29.4± 3.2**
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
AN260)							В

(SUMMARY)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES

ALL ANIMALS

(SUMMARY)

Group Name Administration week_ 72 70 74 76 78 80 82 Control 36.2 ± 5.1 36.1± 5.2 36.9 ± 5.1 37.0 ± 5.2 37.7 ± 5.0 36.9 ± 5.3 36.8± 5.0 5 ppm 34.2± 4.6 33.8 ± 4.3 35.1± 4.4 34.9± 4.6 35.1± 4.5 34.9 ± 5.2 34.7 ± 4.8 30 ppm 33.1± 4.5** 33.0± 4.0** 33.3± 3.9** 33.3± 4.2** 33.5± 4.4** 33.3± 4.8** 33.6± 5.4* 90 ppm 29.9± 3.7** 29.9± 5.1** 29.5± 3.9** 29.4± 3.1** 29.1± 3.1** 29.5± 3.1** 29.2± 3.2** Significant difference; $*: P \leq 0.05$ ** : $P \leq 0.01$ Test of Dunnett

(HAN260)

BAIS 2

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES ALL ANIMALS

(SUMMARY)

roup Name	Administration	week					
	84	86	- 88	90	92	94	96
Control	36.7± 5.1	37.2± 5.0	35.9± 5.0	36.2± 5.0	36.2± 5.8	36.6± 4.8	36.2± 4.9
5 pom	35.7± 4.6	35.3± 5.1	35.1± 5.1	34.6± 4.9	34.9± 4.7	34.5± 4.7	35.0± 4.7
30 ppm	33.0± 4.4**	33.0± 4.6**	32.7± 4.7*	33.3± 4.1*	33.2± 4.6**	33.5± 4.8*	34.0± 5.4
90 ppm	29.5± 3.1**	29.8± 3.1**	29.6± 2.9**	29.8± 3.4**	29.8± 3.5**	29.2± 3.8**	30.1± 3.8**
	18.1						
Significant difference;	*: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
HAN260)							

BAIS 2

ANIMAL : MOUSE BDF1

UNIT : g REPORT TYPE : A1 104

SEX : FEMALE

BODY WEIGHT CHANGES

(SUMMARY)

ALL ANIMALS

Group Name	Administration :	week		
	98	100	102	104
Control	36.0± 4.1	35.2± 4.4	34.9± 3.9	33.7± 4.0
5 ppm	24.0-1.4.0	24.61.4.0	00 41 44	00 5 1 4 4
o ppiii	34.9± 4.2	34.6± 4.8	33.4± 4.4	33.5± 4.4
30 ppm	33.1± 4.2*	33.3± 4.3	33.0± 4.0	33.8± 5.2
90 ppm	29.8± 3.4**	29.5± 2.9**	29.5± 3.3**	30.2± 3.4*
Significant differen	nce; *:P≦0.05 *	* : P ≤ 0.01		Test of Dunnett

(HAN260)

BAIS 2

APPENDIX C 1

FOOD CONSUMPTION CHANGES : SUMMARY, RAT : MALE (2-YEAR STUDY)

ANIMAL : RAT F344

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 1

> Name	Administration	week_					
	1	2	3	4	5	6	7
Control	15.5± 1.0	17.2± 1.7	18.2± 1.8	18.5± 1.8	18.6± 1.6	18.4± 1.4	18.6± 1.5
10 ppm	13.7± 1.0**	15.6± 1.5**	16.4± 2.0**	16.9± 2.1**	17.6± 2.0*	17.1± 1.6**	17.2± 1.5**
mag 08	13.6± 1.0**	15.5± 1.4**	16.4± 1.9**	16.9± 1.7**	17.4± 1.7**	17.1± 1.5**	16.9± 1.6**
90 ppm	13.2± 1.2**	15.8± 2.6**	17.6± 3.7*	18.4± 3.1	19.2± 3.0	17.7± 2.5*	18.6± 2.8
Significant differer	nce; *: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			
V260)							

STUDY NO. : 0115 ANIMAL : RAT F344 UNIT : g REPORT TYPE : A1 104 FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

SEX : MALE

PAGE: 2

Name	Administration	week					
	8	9	10	11	12	13	14
Contral	18.4± 1.2	18.7± 1.1	18.3± 1.3	17.9± 1.2	18.3± 1.3	18.1± 1.2	17.8± 1.1
10 ppm	17.1± 1.5**	17.4± 1.9**	17.2± 1.8**	17.3± 1.7	17.8± 1.6	17.7± 1.5	17.0± 1.4**
30 ppm	16.9± 1.6**	18.0± 1.9*	17.5± 1.6*	17.6± 1.5	17.5± 1.4**	17.6± 1.1	17.5± 1.3
90 ppm	18.8± 2.7	19.9± 3.0	19.8± 2.9	20.0± 2.7**	20.0± 2.6**	19.3± 2.7	19.6± 2.8*
Significant difference	e; *: P ≦ 0.05	**: P ≦ 0.01		Test of Dunnett			
1360)							

(HAN260)

STUDY NO. : 0115 ANIMAL : RAT F344 UNIT : g

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

REPORT TYPE : A1 104

SEX : MALE

PAGE: 3

Name	Administration	week					
	18	22	26	30	34	38	42
Control	17.5± 0.9	18.2± 1.1	19.1± 1.1	18.7± 1.3	18.3± 1.0	18.6± 1.3	17.9± 3.4
10 ppm	17.1± 1.4	17.5± 1.4	18.4± 1.6	18.2± 1.3	17.5± 1.2*	17.9± 1.2*	18.1± 1.3
30 ppm	17.7± 1.3	18.0± 1.2	19.1± 1.4	18.9± 1.3	18.9± 1.5	18.6± 1.2	18.9± 1.4
90 mag 08	19.9± 2.1**	21.1± 2.7**	20.1± 1.9*	19.8± 1.5**	20.3± 1.8**	19.6± 1.8**	19.9± 1.9**
lignificant differer	nce; *:P≦0.05	$** : P \leq 0.01$		Test of Dunnett			

(HAN260)

STUDY NO. : 0115 ANIMAL : RAT F344 UNIT : g REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 4

up Name	Administration	week					
	46	50	52	54	58	62	66
Control	18.4± 2.2	18.9± 2.2	18.3± 2.0	18.8± 1.1	19.3± 1.2	19.0± 1.3	18.9± 1.1
10 ppm	18.0± 1.2	18.3± 1.4*	18.2± 1.3	18.4± 1.3	18.5± 1.3*	18.4± 1.2	18.1± 1.4
30 mag 08	18.7± 1.4	19.4± 1.3	19.6± 1.4**	19.2± 1.5	19.1± 1.2	19.3± 1.6	19.4± 1.8
90 ppm	20,8± 2,2**	21.6± 2.2**	21.4± 2.2**	21.5± 2.4**	20.8± 1.7**	21.8± 2.2**	22.1± 2.5**
Significant differer	nce; *: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			

(HAN260)

UNIT : g REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 5

Administration	week					
70	74	78	82	86	90	94
18.4± 1.3	18.4± 1.4	19.1± 2.2	18.8± 1.7	18.3± 2.8	18.1± 2.4	18.4± 3.6
17.3± 1.2**	17.2± 1.1**	18.0± 2.5*	17.7± 2.8*	18.0± 1.6	17.9± 1.7	17.8± 3.1
18.3± 2.5	18.2± 1.6	19.2± 3.5	19.1± 2.1	19.9± 2.4**	18.7± 2.9	19.3± 3.0
20.6± 2.2**	20.3± 3.1**	21.4± 2.5**	20.5± 3.9**	21.5± 3.0**	20.4± 3.5**	21.9± 3.1**
*: P ≦ 0.05 *	**: P ≤ 0.01		Test of Dunnett			
	18.4± 1.3 17.3± 1.2** 18.3± 2.5 20.6± 2.2**	$18.4\pm$ 1.4 $17.3\pm$ $1.2**$ $17.2\pm$ $1.1**$ $18.3\pm$ 2.5 $18.2\pm$ 1.6 $20.6\pm$ $2.2**$ $20.3\pm$ $3.1**$	$18.4\pm$ 1.3 $18.4\pm$ 1.4 $19.1\pm$ 2.2 $17.3\pm$ $1.2**$ $17.2\pm$ $1.1**$ $18.0\pm$ $2.5*$ $18.3\pm$ 2.5 $18.2\pm$ 1.6 $19.2\pm$ 3.5 $20.6\pm$ $2.2**$ $20.3\pm$ $3.1**$ $21.4\pm$ $2.5**$	$18.4\pm \ 1.3$ $18.4\pm \ 1.4$ $19.1\pm \ 2.2$ $18.8\pm \ 1.7$ $17.3\pm \ 1.2**$ $17.2\pm \ 1.1**$ $18.0\pm \ 2.5*$ $17.7\pm \ 2.8*$ $18.3\pm \ 2.5$ $18.2\pm \ 1.6$ $19.2\pm \ 3.5$ $19.1\pm \ 2.1$ $20.6\pm \ 2.2**$ $20.3\pm \ 3.1**$ $21.4\pm \ 2.5**$ $20.5\pm \ 3.9**$	18.4± 1.3	$18.4 \pm 1.3 \qquad 18.4 \pm 1.4 \qquad 19.1 \pm 2.2 \qquad 18.8 \pm 1.7 \qquad 18.3 \pm 2.8 \qquad 18.1 \pm 2.4$ $17.3 \pm 1.2 ** \qquad 17.2 \pm 1.1 ** \qquad 18.0 \pm 2.5 * \qquad 17.7 \pm 2.8 * \qquad 18.0 \pm 1.6 \qquad 17.9 \pm 1.7$ $18.3 \pm 2.5 \qquad 18.2 \pm 1.6 \qquad 19.2 \pm 3.5 \qquad 19.1 \pm 2.1 \qquad 19.9 \pm 2.4 ** \qquad 18.7 \pm 2.9$ $20.6 \pm 2.2 ** \qquad 20.3 \pm 3.1 ** \qquad 21.4 \pm 2.5 ** \qquad 20.5 \pm 3.9 ** \qquad 21.5 \pm 3.0 ** \qquad 20.4 \pm 3.5 **$

(HAN260)

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

UNIT : g
REPORT TYPE : A1 104

: g

SEX : MALE

roup Name	Administration	week			
	98	102	104		
Control	19.4± 2.4	17.1± 4.4	18.0± 3.1		
10 ppm	17.9± 2.3*	18.0± 1.7	18.0± 1.7		
30 ppm	19.6± 2.2	19.0± 3.9*	19.1± 4.1		
90 mag 08	21.1± 2.9**	19.6± 4.8**	19.6± 4.6*		
Significant differer	nce; *: P ≦ 0.05	** : P ≦ 0.01	Test of	Dunnett	
IAN260)					 BAIS

APPENDIX C 2

FOOD CONSUMPTION CHANGES : SUMMARY, RAT : FEMALE

(2-YEAR STUDY)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 7

p Name	Administration	week					
	1	2	3	4	5	6	7
Control	11.5± 0.7	12.1± 0.8	12.3± 1.0	12.8± 1.1	12.7± 1.2	12.8± 1.3	12.5± 1.2
10 ppm	10.4± 0.8**	11.7± 1.0	11.7± 1.0*	12.0± 1.0**	12.5± 1.0	12.2± 1.0*	12.3± 1.7
30 ppm	9.9± 0.9**	11.0± 1.1**	11.3± 1.7**	11.7± 1.2**	12.3± 1.4	11.9± 1.3**	11.9± 1.4*
90 ppm	9.6± 0.9**	11.0± 1.1**	11.5± 1.3**	12.1± 1.2**	13.0± 1.4	12.5± 1.3	13.5± 2.3
Significant difference;	* : P ≦ 0.05	**: P ≦ 0.01		Test of Dunnett			

(HAN260)

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 8

oup Name	Administration	week					
	8	9	10	11	12	13	14
Control	12.5± 1.3	12.6± 1.2	12.8± 1.1	12.2± 1.2	12.5± 1.2	11.9± 0.9	12.1± 1.1
10 ppm	12.1± 1.4	12.0± 1.2*	12.8± 1.3	12.5± 1.5	12.9± 1.3	12.5± 1.4	12.2± 1.7
30 ppm	12.0± 1.7	12.4± 1.6	12.9± 2.2	12.9± 2.1	13.1± 2.4	12.4± 1.7	13.0± 2.4
maq 08	13.0± 2.3	13.7± 2.0*	13.9± 3.0	13.8± 2.3**	13.8± 2.2**	13.8± 2.2**	13.9± 2.7**
Significant difference	ce; *: P ≦ 0.05	** : P ≤ 0.01		Test of Dunnett			
N260)							

(HAN260)

STUDY NO. : 0115 ANIMAL : RAT F344 UNIT : g

REPORT TYPE: Al 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 9

o Name	Administration	week					
	18	22	26	30	34	38	42
Control	12.2± 1.1	12.9± 1.8	13.0± 1.2	12.8± 1.1	13.1± 1.1	12.7± 1.3	12.9± 1.4
10 ppm	12.9± 1.4*	13.8± 2.5	13.3± 1.5	12.5± 1.4	13.5± 1.2	13.1± 1.2	13.4± 1.3
30 ppm	13.4± 1.8**	13.6± 2.3	13.8± 1.8	13.2± 1.2	14.0± 1.3**	13.1± 1.6	13.8± 1.5**
90 ppm	14.3± 2.4**	15.2± 2.9**	14.9± 2.7**	14.0± 2.0**	14.2± 1.8**	13.7± 2.0**	14.4± 1.7**
				·			
Significant differe	nce; *:P≦0.05 *	:*: P ≤ 0.01		Test of Dunnett			

(HAN260)

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

cup Name	Administration	week					
	46	50	52	54	58	62	66
Control	12.9± 1.4	13.4± 1.4	13.6± 1.6	13.3± 1.6	13.6± 1.1	13.5± 1.3	13.4± 1.2
.10 ppm	13.6± 1.3*	13.5± 1.3	13.9± 1.3	14.0± 1.3*	14.0± 1.4	13.5± 1.3	13.5± 1.2
30 ppm	14.1± 1.5**	14.5± 1.7**	14.2± 1.7	14.7± 1.5**	14.2± 1.6	14.6± 1.9**	14.9± 1.8**
90 ppm	15.0± 2.0**	15.3± 2.3**	14.6± 2.7**	15.7± 2.3**	15.6± 1.9**	15.7± 2.3**	15.7± 2.4**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			
N260)							

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 11

Name	Administration	Week					
	70	74	78	82	86	90	94
Control	12.5± 1.1	13.4± 1.2	13.5± 1.8	13.8± 2.6	13.5± 2.6	13.7± 1.4	14.8± 2.2
10 ppm	12.5± 1.4	13.5± 1.2	13.6± 1.5	14.7± 1.3	14.2± 2.0	14.0± 1.7	14.8± 3.2
mag 08	13.3± 1.6*	14.1± 1.5	14.9± 1.6**	15.4± 1.8**	15.9± 2.1**	14.8± 2.0*	15.9± 2.1
90 ppm	14.4± 1.6**	15.2± 1.8**	14.9± 1.7**	16.2± 2.3**	16.1± 3.0**	15.5± 2.9**	16.3± 3.3**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

UNIT : g
REPORT TYPE : AI 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

SEX : FEMALE						PAGE: 12
Group Name	Administrati	on week				
	98	102	104			
Control	15.4± 2.4	14.1± 3.1	14.5± 4.0			
10 ppm	15.5± 2.3	15.3± 2.8	15.0± 2.0			
30 ppm	16.0± 2.9	15.8± 3.6**	15.8± 2.9			
90 ppm	15.9± 3.4	16.6± 2.1**	16.3± 2.6			
Significant difference;	*: P ≦ 0.05	**: P ≤ 0.01		Test of Dunnett		
(HAN260)					 	BAIS 2

APPENDIX C 3

FOOD CONSUMPTION CHANGES: SUMMARY, MOSUE: MALE
(2-YEAR STUDY)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

1	2	3	4	5	6	7
3.7± 0.2	3.7± 0.2	3.6± 0.3	3.6± 0.3	3.7± 0.3	3.8± 0.2	3.7± 0.3
3.3± 0.3**	3.4± 0.2**	3.2± 0.4**	3.4± 0.2**	3.4± 0.3**	3,5± 0,3**	3.5± 0.2**
3.3± 0.2**	3.6± 0.2	3.1± 0.2**	3.4± 0.2**	3.3± 0.2**	3.5± 0.2**	3.6± 0.2**
3.3± 0.2**	3.7± 0.2	3.2± 0.2**	3.4± 0.4**	3.3± 0.2**	3.5± 0.2**	3.4± 0.2**
	3.3± 0.3** 3.3± 0.2** 3.3± 0.2**	3.7± 0.2 3.7± 0.2 3.3± 0.3** 3.4± 0.2** 3.3± 0.2** 3.6± 0.2 3.3± 0.2** 3.7± 0.2	3.7± 0.2 3.7± 0.2 3.6± 0.3 3.3± 0.3** 3.4± 0.2** 3.2± 0.4** 3.3± 0.2** 3.6± 0.2 3.1± 0.2** 3.3± 0.2** 3.7± 0.2 3.2± 0.2**	3.7± 0.2 3.7± 0.2 3.6± 0.3 3.6± 0.3 3.3± 0.3** 3.4± 0.2** 3.2± 0.4** 3.4± 0.2** 3.3± 0.2** 3.6± 0.2 3.1± 0.2** 3.4± 0.2** 3.3± 0.2** 3.7± 0.2 3.2± 0.2** 3.4± 0.4**	3.7± 0.2 3.7± 0.2 3.6± 0.3 3.6± 0.3 3.7± 0.3 3.3± 0.3** 3.4± 0.2** 3.2± 0.4** 3.4± 0.2** 3.4± 0.3** 3.3± 0.2** 3.6± 0.2 3.1± 0.2** 3.4± 0.2** 3.3± 0.2** 3.3± 0.2** 3.7± 0.2 3.2± 0.2** 3.4± 0.4** 3.3± 0.2**	$3.7\pm \ 0.2$ $3.7\pm \ 0.2$ $3.6\pm \ 0.3$ $3.6\pm \ 0.3$ $3.7\pm \ 0.3$ $3.8\pm \ 0.2$ $3.3\pm \ 0.3**$ $3.4\pm \ 0.2**$ $3.4\pm \ 0.2**$ $3.4\pm \ 0.2**$ $3.4\pm \ 0.2**$ $3.5\pm \ 0.2**$

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 2

up Name	Administration	week					
	8	9	10	11	12	13	14
Control	4.0± 0.3	3.9± 0.3	4.0± 0.3	3.9± 0.3	4.1± 0.2	4.1± 0.2	4.0± 0.3
5 ppm	3.7± 0.2**	3.7± 0.3**	3.6± 0.2**	3.7± 0.3**	3.8± 0.3**	3.8± 0.3**	3.8± 0.3**
30 ppm	3.7± 0.2**	3.8± 0.2*	3.6± 0.2**	3.5± 0.2**	3.7± 0.2**	3.8± 0.3**	3.7± 0.2**
90 ppm	3.7± 0.2**	3.9± 0.2	3.6± 0.2**	3.7± 0.3*	3.8± 0.3**	3.9± 0.2**	3.8± 0.3**
							· · · · · · · · · · · · · · · · · · ·
Significant difference	; *: P ≤ 0.05	* : P ≦ 0.01		Test of Dunnett			

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 3

Control 4.3 \pm 0.3 4.3 \pm 0.3 4.3 \pm 0.3 4.3 \pm 0.3 4.4 \pm 0.4 4.4 \pm 0.3 4.5 \pm 0.3 4.5 \pm 0.6 5 ppm 3.8 \pm 0.3** 3.9 \pm 0.4** 4.1 \pm 0.4** 4.2 \pm 0.3** 4.1 \pm 0.4** 4.1 \pm 0.5** 4.4 \pm 0.4 4.3 \pm 0.3 4.4 \pm 0.6* 4.4 \pm 0.4	-oup Name	Administration	week					
5 ppm 3.8± 0.3** 3.9± 0.4** 4.1± 0.4** 4.1± 0.4** 4.1± 0.4** 4.1± 0.4** 4.1± 0.4** 4.1± 0.4** 4.1± 0.4** 4.1± 0.4** 4.2± 0.3** 4.2± 0.3** 4.2± 0.3** 4.2± 0.3** 4.4± 0.4 4.3± 0.3 4.4± 0.6* 4.4± 0.4		18	22	26	30	34	38	42
30 ppm 3.9± 0.3** 4.0± 0.3** 4.0± 0.4** 4.1± 0.2** 4.2± 0.3** 4.1± 0.4** 4.2± 0.3** 90 ppm 3.9± 0.4** 4.1± 0.3** 4.2± 0.3 4.4± 0.4 4.3± 0.3 4.4± 0.6* 4.4± 0.4		4.3± 0.3	4.3± 0.3	4.3± 0.3	4.4± 0.4	4.4± 0.3	4.5± 0.3	4.5± 0.6
90 ppm 3.9± 0.4** 4.1± 0.3** 4.2± 0.3 4.4± 0.4 4.3± 0.3 4.4± 0.6* 4.4± 0.4	5 ppm	3.8± 0.3**	3.9± 0.4**	4.1± 0.4**	4.1± 0.4**	4.1± 0.4**	4.1± 0.4**	4.1± 0.4**
	30 ppm	3.9± 0.3**	4.0± 0.3**	4.0± 0.4**	4.1± 0.2**	4.2± 0.3**	4.1± 0.4**	4.2± 0.3**
	90 ppm	3.9± 0.4**	4.1± 0.3**	4.2± 0.3	4.4± 0.4	4.3± 0.3	4.4± 0.6*	4.4± 0.4
Significant difference; $*:P \le 0.05$ $**:P \le 0.01$ Test of Dunnett								
	Significant difference;	*: P ≤ 0.05	**: P ≦ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 4

oup Name	Administration	week					
	46	50	52	54	58	62	66
Control	4.6± 0.3	4.5± 0.2	4.7± 0.3	4.7± 0.2	4.7± 0.3	4.9± 0.3	4.9± 0.4
5 ppm	4.3± 0.4**	4.2± 0.4**	4.3± 0.3**	4.3± 0.3**	4.3± 0.4**	4.6± 0.4**	4.6± 0.5**
30 ppm	4.3± 0.3**	4.2± 0.3**	4.2± 0.5**	4.4± 0.3**	4.4± 0.3**	4.5± 0.5**	4.6± 0.6**
90 ppm	4.4± 0.4**	4.5± 0.4	4.4± 0.4**	4.5± 0.5**	4.6± 0.4	4.8± 0.4	4.8± 0.3
Significant difference	e; *:P≦0.05 *	* : P ≦ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 5

Administration (70						
	74	78	82	86	90	94
4.9± 0.9	5.1± 0.5	4.9± 0.5	4.8± 0.4	4.8± 0.4	4.9± 0.5	4.9± 0.8
4.6± 0.5**	4.7± 0.3**	4.6± 0.3**	4.2± 0.4**	4.4± 0.4**	4.5± 0.5**	4.6± 0.3**
4.8± 0.7**	4.6± 0.4**	4.5± 0.3**	4.4± 0.4**	4.5± 0.6**	4.7± 0.4	4.6± 0.4**
5.0± 0.4	4.8± 0.5*	4.7± 0.4**	4.6± 0.4	4.7± 0.5	4.9± 0.5	4.9± 0.4
*: P ≤ 0.05 *:	*: P ≤ 0.01		Test of Dunnett			
	4.6± 0.5** 4.8± 0.7** 5.0± 0.4	4.6± 0.5** 4.7± 0.3** 4.8± 0.7** 4.6± 0.4** 5.0± 0.4 4.8± 0.5*	4.6± 0.5** 4.7± 0.3** 4.6± 0.3** 4.8± 0.7** 4.6± 0.4** 4.5± 0.3** 5.0± 0.4 4.8± 0.5* 4.7± 0.4**	4.6± 0.5** 4.7± 0.3** 4.6± 0.3** 4.2± 0.4** 4.8± 0.7** 4.6± 0.4** 4.5± 0.3** 4.4± 0.4** 5.0± 0.4 4.8± 0.5* 4.7± 0.4** 4.6± 0.4	4.6± 0.5** 4.7± 0.3** 4.6± 0.3** 4.2± 0.4** 4.4± 0.4** 4.5± 0.6** 5.0± 0.4 4.8± 0.5* 4.7± 0.4** 4.6± 0.4** 4.6± 0.4 4.7± 0.5	4.6± 0.5** 4.7± 0.3** 4.6± 0.3** 4.6± 0.4** 4.5± 0.5** 4.6± 0.4** 4.5± 0.6** 4.7± 0.4 5.0± 0.4 4.6± 0.5* 4.7± 0.4** 4.6± 0.4 4.6± 0.4 4.6± 0.5*

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g

REPORT TYPE: A1 104

SEX : MALE

Control

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

Group Name	Administration	week			
	98	102	104		

4.6± 0.8

5 ppm 4.4± 0.4** 4.1± 0.5** 4.3± 0.3**

30 ppm 4.4± 0.6** 4.4± 0.4 4.3± 0.5*

4.8± 0.8

90 ppm 4.5± 0.5** 4.5± 0.4 4.6± 0.4

Significant difference; $*:P \leq 0.05$ ** : $P \leq 0.01$ Test of Dunnett

4.5± 0.6

(HAN260)

BAIS 2

APPENDIX C 4

FOOD CONSUMPTION CHANGES : SUMMARY, MOSUE : FEMALE (2-YEAR STUDY)

ANIMAL : MOUSE BDF1

UNIT : g REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 7

up Name	Administration	week					
	1	2	3	4	5	6	7
Control	3.1± 0.2	3.1± 0.2	3.3± 0.2	3.4± 0.3	3.5± 0.2	3.6± 0.2	3.7± 0.3
5 ppm	2.8± 0.2**	2.9± 0.2**	3.0± 0.2**	3.1± 0.3**	3.3± 0.2**	3.5± 0.2	3.5± 0.3**
30 ppm	2.8± 0.2**	3.0± 0,2	2.9± 0.2**	3.2± 0.2*	3.4± 0.3*	3.5± 0.3	3.6± 0.2
90 ppm	2.8± 0.2**	3.1± 0.2	2.9± 0.2**	3.1± 0.2**	3.2± 0.2**	3.4± 0.2**	3.3± 0.3**
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

STUDY NO. : 0116
ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 8

oup Name	Administration	week					
	8	9	10	11	12	13	14
Control	3.9± 0.4	3.7± 0.3	3.8± 0.4	3.8± 0.3	3.9± 0.3	4.0± 0.3	3.8± 0.4
5 ppm	3.7± 0.3*	3.7± 0.3	3.7± 0.2	3.7± 0.2	3.9± 0.3	3.9± 0.3	3.8± 0.4
30 ppm	3.8± 0.3	3.9± 0.3	3.8± 0.3	3.8± 0.3	3.9± 0.3	4.0± 0.3	3.8± 0.3
90 ppm	3.7± 0.3**	3.8± 0.3	3.7± 0.3*	3.9± 0.3	3.9± 0.3	3.9± 0.4	3.9± 0.3
Significant differe	nce; *: P ≤ 0.05 *	* : P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 9

oup Name	Administration	week					
	18	22	26	30	34	38	42
Control	4.1± 0.5	4.1± 0.5	4.3± 0.6	4.3± 0.5	4.4± 0.5	4.4± 0.6	4.5± 0.6
5 ррт	4.2± 0.5	4.1± 0.5	4.1± 0.6	4.3± 0.6	4.3± 0.6	4.5± 0.6	4.5± 0.8
30 ppm	4.1± 0.7	4.2± 0.4	4.3± 0.4	4.5± 0.5	4.4± 0.4	4.5± 0.6	4.5± 0.6
90 ppm	4.1± 0.4	4.3± 0.6	4.5± 0.6	4.6± 0.5*	4.7± 0.5**	4.6± 0.8	4.6生 0.5
Significant differ	rence; *: P ≤ 0.05	**: P ≤ 0.01		Test of Dunnett			

(HAN260)

STUDY NO. : 0116
ANIMAL : MOUSE BDF1
UNIT : g
REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 10

-pup Name	Administration	week					
	46	50	52	54	58	62	66
Control	4.3± 0.6	4.3± 0.5	4.3± 0.7	4.5± 0.4	4.5± 0.6	4.8± 0.7	4.5± 0.7
5 ppm	4.5± 0.7	4.4± 0.8	4.5± 0.6	4.5± 0.6	4.6± 0.7	5.0± 0.6	4.6± 0.7
30 ppm	4.8± 0.5**	4.5± 0.5	4.5± 0.5	4.8± 0.6	4.6± 0.5	5.0± 0.5	4.7± 0.5
90 ppm	4.6± 0.5*	4.7± 0.7*	4.6± 0.5	4.6± 0.5	4.7± 0.7	4.9± 0.6	4.7± 0.9
					V		
Significant differe	ence; *:P≤0.05 *	*: P ≤ 0.01		Test of Dunnett			
N260)							

(HAN260)

ANIMAL : MOUSE BDF1
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY) ALL ANIMALS

PAGE: 11

up Name	Administration	week					
	70	74	78	82	86	90	94
Control	4.9± 0.7	4.6± 0.5	4.5± 0.7	4.4± 0.7	4.4± 0.7	4.3± 0.5	4.5± 0.8
5 ppm	5.0± 0.7	4.8± 0.5	4.5± 0.6	4.2± 0.6	4.4± 0.8	4.4± 0.5	4.5± 0.7
30 ppm	4.9± 0.8	4.7± 0.5	4.5± 0.5	4.4± 0.6	4.4± 0.6	4.6± 0.5	4.6± 0.7
90 ppm	4.9± 0.7	4.6± 0.5	4.4± 0.5	4.3± 0.5	4.5± 0.6	4.6± 0.8	4.4± 0.7
Significant differe	ence; *: P ≤ 0.05	** : P ≤ 0.01		Test of Dunnett			

(HAN260)

ANIMAL : MOUSE BDF1

UNIT : g REPORT TYPE : A1 104

SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)

ALL ANIMALS

PAGE: 12

roup Name	Administration	week		
	98	102	104	
Control	4.2± 0.8	4.0± 0.4	4.0± 0.8	
5 ppm	4.4± 0.6	4.1± 0.6	4.3± 0.6	
30 ppm	4.5± 0.6	4.4± 0.8	4.7± 1.0**	
90 ppm	4.3± 0.6	4.2± 0.6	4.4± 0.6*	
Significant difference;	*: P ≤ 0.05	**: P ≤ 0.01	Test of Dunnett	

(HAN260)