N,N-ジメチルアセトアミドのラットを用いた
吸入による13週間毒性試験報告書

試験番号：0717

TABLES

TABLES

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF *N,N*-DIMETHYLACETAMIDE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

CONCENTRATIONS OF *N,N*-DIMETHYLACETAMIDE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
10 ppm	10.4 ± 0.3
30 ppm	30.3 ± 0.5
100 ppm	102.3 ± 1.8
300 ppm	302.4 ± 4.6
450 ppm	454.4 ± 4.4

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
450ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
450ppm	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 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
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	10ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	30ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	100ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	300ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	450ppm	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE C2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day 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
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	1	1
	10ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	30ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	300ppm	0	0	0	0	0	0	0	0	0	0	0	0	0
	450ppm	0	0	0	0	0	0	0	0	0	1	1	1	1
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	9	9
	10ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	30ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	100ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	300ppm	10	10	10	10	10	10	10	10	10	10	10	10	10
	450ppm	10	10	10	10	10	10	10	10	10	9	9	9	9

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. <10>	10ppm Av. Wt.	10ppm % of cont. <10>	10ppm No. of Surviv.	30ppm Av. Wt.	30ppm % of cont. <10>	30ppm No. of Surviv.	100ppm Av. Wt.	100ppm % of cont. <10>	100ppm No. of Surviv.	300ppm Av. Wt.	300ppm % of cont. <10>	300ppm No. of Surviv.	450ppm Av. Wt.	450ppm % of cont. <10>	450ppm No. of Surviv.
0-0	120 (10)	10/10	120 (10)	100	10/10	120 (10)	100	10/10	120 (10)	100	10/10	119 (10)	99	10/10	120 (10)	100	10/10
1-7	144 (10)	10/10	146 (10)	101	10/10	145 (10)	101	10/10	147 (10)	102	10/10	148 (10)	103	10/10	144 (10)	100	10/10
2-7	173 (10)	10/10	177 (10)	102	10/10	176 (10)	102	10/10	181 (10)	105	10/10	179 (10)	103	10/10	171 (10)	99	10/10
3-7	196 (10)	10/10	202 (10)	103	10/10	200 (10)	102	10/10	206 (10)	105	10/10	205 (10)	105	10/10	194 (10)	99	10/10
4-7	215 (10)	10/10	223 (10)	104	10/10	220 (10)	102	10/10	228 (10)	106	10/10	224 (10)	104	10/10	214 (10)	100	10/10
5-7	233 (10)	10/10	240 (10)	103	10/10	239 (10)	103	10/10	246 (10)	106	10/10	241 (10)	103	10/10	231 (10)	99	10/10
6-7	247 (10)	10/10	253 (10)	102	10/10	253 (10)	102	10/10	261 (10)	106	10/10	254 (10)	103	10/10	241 (10)	98	10/10
7-7	258 (10)	10/10	268 (10)	104	10/10	264 (10)	102	10/10	273 (10)	106	10/10	264 (10)	102	10/10	252 (10)	98	10/10
8-7	270 (10)	10/10	279 (10)	103	10/10	277 (10)	103	10/10	289 (10)	107	10/10	278 (10)	103	10/10	265 (10)	98	10/10
9-7	281 (10)	10/10	291 (10)	104	10/10	288 (10)	102	10/10	301 (10)	107	10/10	286 (10)	102	10/10	272 (10)	97	10/10
10-7	287 (10)	10/10	296 (10)	103	10/10	296 (10)	103	10/10	309 (10)	108	10/10	292 (10)	102	10/10	278 (10)	97	10/10
11-7	294 (10)	10/10	304 (10)	103	10/10	303 (10)	103	10/10	315 (10)	107	10/10	299 (10)	102	10/10	286 (10)	97	10/10
12-7	300 (10)	10/10	310 (10)	103	10/10	309 (10)	103	10/10	322 (10)	107	10/10	304 (10)	101	10/10	291 (10)	97	10/10
13-7	306 (10)	10/10	316 (10)	103	10/10	315 (10)	103	10/10	327 (10)	107	10/10	307 (10)	100	10/10	296 (10)	97	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. Wt. : g

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av. Wt.	Control No. of Surviv. <10>	10ppm Av. Wt.	10ppm % of cont. <10>	10ppm No. of Surviv.	30ppm Av. Wt.	30ppm % of cont. <10>	30ppm No. of Surviv.	100ppm Av. Wt.	100ppm % of cont. <10>	100ppm No. of Surviv.	300ppm Av. Wt.	300ppm % of cont. <10>	300ppm No. of Surviv.	450ppm Av. Wt.	450ppm % of cont. <10>	450ppm No. of Surviv.
0-0	95 (10)	10/10	95 (10)	100	10/10	95 (10)	100	10/10	95 (10)	100	10/10	95 (10)	100	10/10	95 (10)	100	10/10
1-7	107 (10)	10/10	107 (10)	100	10/10	108 (10)	101	10/10	110 (10)	103	10/10	110 (10)	103	10/10	109 (10)	102	10/10
2-7	121 (10)	10/10	122 (10)	101	10/10	122 (10)	101	10/10	125 (10)	103	10/10	123 (10)	102	10/10	120 (10)	99	10/10
3-7	131 (10)	10/10	133 (10)	102	10/10	132 (10)	101	10/10	136 (10)	104	10/10	131 (10)	100	10/10	128 (10)	98	10/10
4-7	137 (10)	10/10	141 (10)	103	10/10	139 (10)	101	10/10	143 (10)	104	10/10	138 (10)	101	10/10	135 (10)	99	10/10
5-7	145 (10)	10/10	148 (10)	102	10/10	147 (10)	101	10/10	151 (10)	104	10/10	146 (10)	101	10/10	144 (10)	99	10/10
6-7	150 (10)	10/10	153 (10)	102	10/10	153 (10)	102	10/10	159 (10)	106	10/10	150 (10)	100	10/10	148 (10)	99	10/10
7-7	156 (10)	10/10	159 (10)	102	10/10	157 (10)	101	10/10	162 (10)	104	10/10	155 (10)	99	10/10	152 (10)	97	10/10
8-7	162 (10)	10/10	164 (10)	101	10/10	162 (10)	100	10/10	167 (10)	103	10/10	161 (10)	99	10/10	158 (10)	98	10/10
9-7	167 (10)	10/10	170 (10)	102	10/10	166 (10)	99	10/10	170 (10)	102	10/10	164 (10)	98	10/10	158 (10)	95	10/10
10-7	171 (10)	10/10	173 (10)	101	10/10	170 (10)	99	10/10	175 (10)	102	10/10	168 (10)	98	10/10	162 (10)	95	10/10
11-7	174 (10)	10/10	180 (10)	103	10/10	174 (10)	100	10/10	177 (10)	102	10/10	172 (10)	99	10/10	166 (10)	95	10/10
12-7	178 (10)	10/10	183 (10)	103	10/10	175 (10)	98	10/10	180 (10)	101	10/10	175 (10)	98	10/10	165 (10)	93	10/10
13-7	180 (10)	10/10	185 (10)	103	10/10	178 (10)	99	10/10	183 (10)	102	10/10	174 (10)	97	10/10	168 (10)	93	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. Wt. : g

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	120± 4	144± 4	173± 6	196± 6	215± 7	233± 9	247± 10
10ppm	120± 4	146± 5	177± 4	202± 6	223± 6	240± 6	253± 7
30ppm	120± 4	145± 7	176± 9	200± 8	220± 8	239± 9	253± 10
100ppm	120± 4	147± 8	181± 13	206± 14*	228± 15*	246± 16	261± 16*
300ppm	119± 4	148± 6	179± 8	205± 10	224± 10	241± 11	254± 11
450ppm	120± 4	144± 5	171± 6	194± 7	214± 6	231± 7	241± 9

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	258± 11	270± 11	281± 11	287± 13	294± 13	300± 13	306± 13
10ppm	268± 8	279± 8	291± 7	296± 7	304± 10	310± 10	316± 11
30ppm	264± 13	277± 14	288± 16	296± 16	303± 14	309± 14	315± 16
100ppm	273± 16*	289± 17**	301± 17**	309± 17**	315± 20**	322± 21**	327± 21*
300ppm	264± 12	278± 13	286± 13	292± 14	299± 13	304± 12	307± 13
450ppm	252± 9	265± 10	272± 10	278± 12	286± 12	291± 12	296± 13

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	95± 2	107± 4	121± 5	131± 5	137± 4	145± 5	150± 5
10ppm	95± 3	107± 4	122± 4	133± 5	141± 5	148± 5	153± 5
30ppm	95± 3	108± 3	122± 5	132± 5	139± 5	147± 7	153± 9
100ppm	95± 2	110± 4	125± 5	136± 6	143± 7*	151± 7	159± 8*
300ppm	95± 3	110± 2	123± 3	131± 4	138± 4	146± 4	150± 6
450ppm	95± 3	109± 3	120± 4	128± 4	135± 4	144± 6	148± 6

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	156± 4	162± 6	167± 7	171± 6	174± 6	178± 7	180± 7
10ppm	159± 5	164± 5	170± 6	173± 7	180± 7	183± 7	185± 8
30ppm	157± 7	162± 10	166± 11	170± 11	174± 11	175± 12	178± 12
100ppm	162± 9	167± 7	170± 9	175± 9	177± 10	180± 10	183± 10
300ppm	155± 7	161± 7	164± 6	168± 7	172± 5	175± 6	174± 6
450ppm	152± 7	158± 5	158± 7*	162± 7	166± 7	165± 7**	168± 9*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <10>	10ppm Av. FC.	10ppm % of cont. <10>	10ppm No. of Surviv.	30ppm Av. FC.	30ppm % of cont. <10>	30ppm No. of Surviv.	100ppm Av. FC.	100ppm % of cont. <10>	100ppm No. of Surviv.	300ppm Av. FC.	300ppm % of cont. <10>	300ppm No. of Surviv.	450ppm Av. FC.	450ppm % of cont. <10>	450ppm No. of Surviv.
1-7	13.9 (10)	10/10	13.9 (10)	100	10/10	13.9 (10)	100	10/10	13.9 (10)	100	10/10	13.6 (10)	98	10/10	13.0 (10)	94	10/10
2-7	14.8 (10)	10/10	15.0 (10)	101	10/10	14.9 (10)	101	10/10	15.7 (10)	106	10/10	15.0 (10)	101	10/10	14.4 (10)	97	10/10
3-7	15.4 (10)	10/10	15.9 (10)	103	10/10	15.6 (10)	101	10/10	16.5 (10)	107	10/10	16.0 (10)	104	10/10	15.3 (10)	99	10/10
4-7	16.2 (10)	10/10	16.5 (10)	102	10/10	16.2 (10)	100	10/10	17.2 (10)	106	10/10	16.3 (10)	101	10/10	15.5 (10)	96	10/10
5-7	16.1 (10)	10/10	16.6 (10)	103	10/10	16.5 (10)	102	10/10	16.9 (10)	105	10/10	16.1 (10)	100	10/10	15.5 (10)	96	10/10
6-7	15.8 (10)	10/10	15.9 (10)	101	10/10	15.7 (10)	99	10/10	16.7 (10)	106	10/10	15.9 (10)	101	10/10	15.2 (10)	96	10/10
7-7	15.5 (10)	10/10	16.0 (10)	103	10/10	15.5 (10)	100	10/10	16.3 (10)	105	10/10	15.8 (10)	102	10/10	15.2 (10)	98	10/10
8-7	15.7 (10)	10/10	16.5 (10)	105	10/10	16.1 (10)	103	10/10	16.7 (10)	106	10/10	15.7 (10)	100	10/10	15.2 (10)	97	10/10
9-7	15.7 (10)	10/10	16.2 (10)	103	10/10	15.9 (10)	101	10/10	16.6 (10)	106	10/10	15.7 (10)	100	10/10	15.0 (10)	96	10/10
10-7	15.6 (10)	10/10	15.9 (10)	102	10/10	16.0 (10)	103	10/10	16.5 (10)	106	10/10	15.5 (10)	99	10/10	14.9 (10)	96	10/10
11-7	15.7 (10)	10/10	15.9 (10)	101	10/10	15.8 (10)	101	10/10	16.2 (10)	103	10/10	15.2 (10)	97	10/10	15.2 (10)	97	10/10
12-7	15.5 (10)	10/10	15.7 (10)	101	10/10	15.6 (10)	101	10/10	16.2 (10)	105	10/10	15.4 (10)	99	10/10	15.2 (10)	98	10/10
13-7	15.3 (10)	10/10	15.6 (10)	102	10/10	15.5 (10)	101	10/10	15.8 (10)	103	10/10	14.9 (10)	97	10/10	15.0 (10)	98	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. FC. : g

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <10>	10ppm Av. FC.	10ppm % of cont. <10>	10ppm No. of Surviv.	30ppm Av. FC.	30ppm % of cont. <10>	30ppm No. of Surviv.	100ppm Av. FC.	100ppm % of cont. <10>	100ppm No. of Surviv.	300ppm Av. FC.	300ppm % of cont. <10>	300ppm No. of Surviv.	450ppm Av. FC.	450ppm % of cont. <10>	450ppm No. of Surviv.
1-7	10.6 (10)	10/10	10.6 (10)	100	10/10	10.7 (10)	101	10/10	10.6 (10)	100	10/10	10.4 (10)	98	10/10	10.2 (10)	96	10/10
2-7	11.0 (10)	10/10	11.0 (10)	100	10/10	11.0 (10)	100	10/10	11.4 (10)	104	10/10	10.8 (10)	98	10/10	10.5 (10)	95	10/10
3-7	10.7 (10)	10/10	11.3 (10)	106	10/10	11.0 (10)	103	10/10	11.4 (10)	107	10/10	10.6 (10)	99	10/10	10.4 (10)	97	10/10
4-7	10.7 (10)	10/10	11.4 (10)	107	10/10	11.3 (10)	106	10/10	11.6 (10)	108	10/10	10.7 (10)	100	10/10	10.5 (10)	98	10/10
5-7	10.5 (10)	10/10	11.0 (10)	105	10/10	11.3 (10)	108	10/10	11.5 (10)	110	10/10	11.1 (10)	106	10/10	10.6 (10)	101	10/10
6-7	10.7 (10)	10/10	10.8 (10)	101	10/10	11.2 (10)	105	10/10	11.6 (10)	108	10/10	10.8 (10)	101	10/10	10.7 (10)	100	10/10
7-7	11.0 (10)	10/10	11.0 (10)	100	10/10	10.8 (10)	98	10/10	11.6 (10)	105	10/10	10.7 (10)	97	10/10	10.3 (10)	94	10/10
8-7	11.3 (10)	10/10	11.3 (10)	100	10/10	11.0 (10)	97	10/10	11.3 (10)	100	10/10	11.0 (10)	97	10/10	11.2 (10)	99	10/10
9-7	11.1 (10)	10/10	11.2 (10)	101	10/10	10.8 (10)	97	10/10	11.0 (10)	99	10/10	10.6 (10)	95	10/10	10.6 (10)	95	10/10
10-7	10.8 (10)	10/10	11.2 (10)	104	10/10	10.8 (10)	100	10/10	10.9 (10)	101	10/10	10.8 (10)	100	10/10	10.6 (10)	98	10/10
11-7	10.4 (10)	10/10	11.4 (10)	110	10/10	11.0 (10)	106	10/10	11.0 (10)	106	10/10	11.1 (10)	107	10/10	11.2 (10)	108	10/10
12-7	11.3 (10)	10/10	11.4 (10)	101	10/10	10.7 (10)	95	10/10	10.9 (10)	96	10/10	11.0 (10)	97	10/10	10.3 (10)	91	10/10
13-7	11.0 (10)	10/10	11.3 (10)	103	10/10	10.7 (10)	97	10/10	10.7 (10)	97	10/10	10.1 (10)	92	10/10	10.3 (10)	94	10/10

< >:No. of effective animals, ( ):No. of measured animals Av. FC. : g

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	13.9± 0.7	14.8± 0.9	15.4± 1.0	16.2± 0.9	16.1± 1.1	15.8± 1.0	15.5± 1.0
10ppm	13.9± 0.6	15.0± 0.5	15.9± 0.8	16.5± 0.7	16.6± 0.7	15.9± 0.7	16.0± 0.6
30ppm	13.9± 0.6	14.9± 0.7	15.6± 0.9	16.2± 0.8	16.5± 1.0	15.7± 1.3	15.5± 1.4
100ppm	13.9± 0.6	15.7± 1.5	16.5± 1.6	17.2± 1.5	16.9± 1.6	16.7± 1.3	16.3± 1.3
300ppm	13.6± 0.7	15.0± 0.6	16.0± 0.5	16.3± 0.5	16.1± 0.9	15.9± 0.7	15.8± 0.6
450ppm	13.0± 0.5*	14.4± 0.6	15.3± 0.9	15.5± 0.7	15.5± 0.6	15.2± 0.7	15.2± 0.7

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	15.7± 1.0	15.7± 0.9	15.6± 1.1	15.7± 1.3	15.5± 1.0	15.3± 1.2
10ppm	16.5± 0.7	16.2± 0.7	15.9± 0.7	15.9± 1.0	15.7± 1.0	15.6± 1.0
30ppm	16.1± 1.4	15.9± 1.3	16.0± 1.3	15.8± 1.0	15.6± 0.8	15.5± 0.8
100ppm	16.7± 1.3	16.6± 1.1	16.5± 1.4	16.2± 1.5	16.2± 1.5	15.8± 1.3
300ppm	15.7± 1.0	15.7± 0.7	15.5± 0.6	15.2± 0.6	15.4± 0.9	14.9± 0.7
450ppm	15.2± 0.8	15.0± 0.7	14.9± 1.1	15.2± 1.0	15.2± 0.9	15.0± 0.8

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	10.6± 0.4	11.0± 0.6	10.7± 0.5	10.7± 0.6	10.5± 0.5	10.7± 0.6	11.0± 0.6
10ppm	10.6± 0.6	11.0± 0.5	11.3± 0.2*	11.4± 0.5*	11.0± 0.5	10.8± 0.5	11.0± 0.5
30ppm	10.7± 0.4	11.0± 0.6	11.0± 0.6	11.3± 0.7	11.3± 0.8*	11.2± 1.0	10.8± 0.9
100ppm	10.6± 0.4	11.4± 0.6	11.4± 0.6*	11.6± 0.7**	11.5± 0.6**	11.6± 0.8*	11.6± 0.7
300ppm	10.4± 0.4	10.8± 0.4	10.6± 0.5	10.7± 0.6	11.1± 0.5	10.8± 0.8	10.7± 0.7
450ppm	10.2± 0.5	10.5± 0.6	10.4± 0.6	10.5± 0.5	10.6± 0.7	10.7± 0.5	10.3± 0.8

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)
Control	11.3± 0.7	11.1± 0.6	10.8± 0.5	10.4± 1.1	11.3± 0.7	11.0± 0.7
10ppm	11.3± 0.4	11.2± 0.4	11.2± 0.6	11.4± 0.5	11.4± 0.6	11.3± 0.6
30ppm	11.0± 1.1	10.8± 1.0	10.8± 0.9	11.0± 1.2	10.7± 1.0	10.7± 1.0
100ppm	11.3± 0.9	11.0± 1.0	10.9± 0.7	11.0± 1.0	10.9± 0.8	10.7± 0.9
300ppm	11.0± 0.8	10.6± 0.6	10.8± 0.7	11.1± 0.5	11.0± 0.7	10.1± 0.7
450ppm	11.2± 0.6	10.6± 0.7	10.6± 0.9	11.2± 1.3	10.3± 1.0*	10.3± 1.4

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett -

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	9.33± 0.18	16.0± 0.2	42.7± 0.9	45.7± 0.4	17.2± 0.2	37.4± 0.5	773± 37
10ppm	10	9.28± 0.15	15.9± 0.3	42.3± 0.7	45.6± 0.3	17.1± 0.1	37.5± 0.2	779± 56
30ppm	10	9.24± 0.17	15.7± 0.3	41.8± 0.7	45.3± 0.4	17.0± 0.2	37.6± 0.4	816± 32
100ppm	10	9.46± 0.12	15.8± 0.2	42.5± 0.5	44.9± 0.3**	16.7± 0.3**	37.2± 0.3	833± 84
300ppm	10	9.53± 0.13	15.6± 0.3*	42.1± 0.7	44.2± 0.5**	16.4± 0.2**	37.1± 0.3	864± 50**
450ppm	10	9.52± 0.24	15.6± 0.3**	42.2± 0.9	44.3± 0.5**	16.3± 0.2**	36.9± 0.2**	935± 51**

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

(HCL070)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RETICULOCYTE %	PROTHROMBIN TIME sec	APTT sec
Control	10	1.7± 0.1	13.0± 0.8	22.8± 1.3
10ppm	10	1.7± 0.2	13.4± 1.3	23.3± 1.9
30ppm	10	1.7± 0.1	13.0± 1.3	24.0± 2.0
100ppm	10	1.7± 0.2	13.6± 1.8	24.0± 1.4
300ppm	10	1.6± 0.2	12.7± 1.9	23.6± 1.5
450ppm	10	1.8± 0.1	11.8± 0.6*	23.9± 1.2

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO	OTHER
Control	10	8.05± 1.46	24± 6	71± 6	3± 1	1± 0	0± 0	1± 0
10ppm	10	7.51± 1.28	24± 3	71± 3	3± 1	1± 0	0± 0	1± 0
30ppm	10	7.52± 1.53	27± 7	68± 6	3± 1	1± 1	0± 0	1± 0
100ppm	10	7.49± 1.29	27± 3	68± 4	3± 0	1± 0	0± 0	1± 0
300ppm	10	7.88± 1.36	26± 4	69± 4	3± 1	1± 0	0± 0	1± 0
450ppm	10	7.62± 1.52	25± 4	70± 4	3± 1	1± 0	0± 0	1± 0

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

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	10	8.60± 0.17	16.1± 0.3	41.5± 0.8	48.3± 0.5	18.7± 0.2	38.8± 0.4	818± 50
10ppm	10	8.70± 0.24	16.3± 0.4	42.0± 1.1	48.3± 0.4	18.7± 0.2	38.8± 0.4	844± 50
30ppm	10	8.67± 0.18	16.1± 0.3	41.7± 0.8	48.1± 0.3	18.6± 0.2	38.7± 0.4	853± 62
100ppm	10	8.82± 0.15	16.2± 0.3	42.3± 0.8	47.9± 0.4	18.4± 0.4**	38.4± 0.8	903± 49*
300ppm	10	8.75± 0.19	16.0± 0.4	41.9± 1.0	47.9± 0.3	18.2± 0.2**	38.1± 0.4**	880± 75
450ppm	10	8.70± 0.19	15.8± 0.3	41.5± 0.8	47.8± 0.3**	18.1± 0.2**	38.0± 0.3**	897± 72*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RETICULOCYTE %	PROTHROMBIN TIME sec	APTT sec
Control	10	1.6± 0.2	11.5± 0.4	17.6± 0.9
10ppm	10	1.5± 0.2	11.5± 0.4	17.9± 0.8
30ppm	10	1.6± 0.2	11.6± 0.2	17.8± 1.2
100ppm	10	1.7± 0.2	11.3± 0.4	18.2± 1.0
300ppm	10	1.5± 0.1	11.5± 0.3	19.0± 0.8*
450ppm	10	1.5± 0.2	11.6± 0.4	19.0± 1.8*

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	10	5.19±	1.41	23±	3	72±	3	3±	0	1±	1	0±	0	1±	0
10ppm	10	4.89±	1.48	25±	6	69±	6	3±	1	2±	0	0±	0	1±	0
30ppm	10	4.64±	0.99	25±	5	70±	6	3±	1	1±	1	0±	0	1±	0
100ppm	10	4.69±	1.03	24±	4	71±	5	3±	0	1±	1	0±	0	1±	0
300ppm	10	4.49±	1.62	23±	5	73±	6	3±	1	1±	1	0±	0	1±	0
450ppm	10	4.59±	0.89	23±	6	73±	6	3±	1	1±	0	0±	0	1±	0

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN g／dℓ		ALBUMIN g／dℓ		A/G RATIO		T-BILIRUBIN mg／dℓ		GLUCOSE mg／dℓ		T-CHOLESTEROL mg／dℓ		TRIGLYCERIDE mg／dℓ	
Control	10	6.6±	0.1	3.5±	0.1	1.1±	0.0	0.10±	0.01	193±	12	60±	3	65±	8
10ppm	10	6.8±	0.1	3.5±	0.1	1.1±	0.0	0.09±	0.01	192±	13	67±	3**	65±	17
30ppm	10	6.7±	0.1	3.5±	0.1	1.1±	0.0	0.10±	0.00	194±	9	77±	5**	71±	12
100ppm	10	7.0±	0.2**	3.6±	0.1**	1.1±	0.0	0.10±	0.01	193±	7	98±	8**	107±	33**
300ppm	10	6.9±	0.2**	3.6±	0.1*	1.1±	0.1	0.11±	0.01	201±	7	114±	8**	97±	31*
450ppm	10	7.1±	0.1**	3.8±	0.1**	1.1±	0.0	0.11±	0.01*	194±	15	119±	7**	90±	23

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

(HCL074)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dℓ	AST IU/ℓ	ALT IU/ℓ	LDH IU/ℓ	ALP IU/ℓ	G-GTP IU/ℓ	CK IU/ℓ
Control	10	111± 5	83± 15	45± 6	98± 28	378± 29	1± 0	97± 15
10ppm	10	122± 6**	93± 28	49± 11	109± 34	369± 29	1± 0	98± 16
30ppm	10	139± 7**	87± 29	46± 10	111± 32	356± 23	1± 0	100± 14
100ppm	10	172± 15**	77± 29	44± 10	100± 52	352± 21	1± 1	96± 18
300ppm	10	191± 14**	76± 17	57± 19	109± 45	308± 19**	1± 0	100± 20
450ppm	10	194± 11**	71± 22	53± 15	111± 62	311± 32**	1± 1	105± 23

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

(HCL074)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl	CREATININE mg/dl	SODIUM mEq/l	POTASSIUM mEq/l	CHLORIDE mEq/l	CALCIUM mg/dl	INORGANIC PHOSPHORUS mg/dl
Control	10	19.0± 1.6	0.6± 0.1	141± 1	3.5± 0.4	106± 1	10.2± 0.1	5.9± 0.7
10ppm	10	18.9± 1.8	0.6± 0.1	142± 1	3.4± 0.2	106± 1	10.2± 0.1	5.8± 0.7
30ppm	10	18.8± 1.3	0.5± 0.0	141± 1	3.4± 0.2	106± 1	10.2± 0.2	5.9± 0.8
100ppm	10	17.8± 1.6	0.5± 0.1	142± 1	3.5± 0.2	106± 2	10.4± 0.2	5.6± 0.9
300ppm	10	18.4± 1.3	0.5± 0.1	141± 1	3.4± 0.2	105± 2	10.4± 0.3	5.8± 0.7
450ppm	10	18.2± 1.5	0.5± 0.1	141± 1	3.4± 0.2	105± 1	10.7± 0.2**	6.0± 0.8

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dl	ALBUMIN g/dl	A/G RATIO	T-BILIRUBIN mg/dl	GLUCOSE mg/dl	T-CHOLESTEROL mg/dl	TRIGLYCERIDE mg/dl
Control	10	6.4± 0.1	3.4± 0.1	1.2± 0.1	0.11± 0.01	142± 9	72± 5	13± 3
10ppm	10	6.5± 0.2	3.5± 0.1	1.1± 0.1	0.10± 0.01*	147± 10	80± 9	14± 5
30ppm	10	6.5± 0.2	3.5± 0.1	1.1± 0.1	0.11± 0.01	150± 18	94± 8**	17± 6
100ppm	10	6.5± 0.2	3.5± 0.1	1.1± 0.0	0.11± 0.01	154± 16	114± 9**	20± 4**
300ppm	10	6.5± 0.1	3.5± 0.1	1.2± 0.1	0.12± 0.01	154± 13	127± 11**	25± 10**
450ppm	10	6.5± 0.2	3.6± 0.1	1.2± 0.0	0.12± 0.01	161± 17	145± 11**	33± 11**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

(HCL074)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dℓ	AST IU/ℓ	ALT IU/ℓ	LDH IU/ℓ	ALP IU/ℓ	G-GTP IU/ℓ	CK IU/ℓ
Control	10	135± 8	73± 11	40± 15	98± 39	307± 45	2± 1	104± 15
10ppm	10	148± 15	71± 6	39± 7	89± 27	315± 51	2± 1	97± 12
30ppm	10	167± 13**	70± 5	35± 3	97± 20	296± 24	1± 0	95± 10
100ppm	10	194± 14**	69± 6	35± 3	115± 40	278± 22	1± 1	111± 21
300ppm	10	208± 13**	61± 5**	31± 4**	96± 54	265± 31*	1± 1	93± 24
450ppm	10	230± 14**	58± 4**	28± 2**	89± 50	269± 32	2± 1	86± 23

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl	CREATININE mg/dl	SODIUM mEq/l	POTASSIUM mEq/l	CHLORIDE mEq/l	CALCIUM mg/dl	INORGANIC PHOSPHORUS mg/dl
Control	10	19.3± 1.1	0.6± 0.0	141± 1	3.4± 0.2	107± 1	9.7± 0.2	5.2± 0.9
10ppm	10	19.0± 2.3	0.6± 0.1	142± 1	3.2± 0.2	107± 1	9.8± 0.3	5.0± 0.9
30ppm	10	18.9± 2.0	0.6± 0.1	142± 1	3.2± 0.2	107± 1	9.9± 0.2	5.1± 1.2
100ppm	10	18.7± 1.5	0.6± 0.1	141± 1	3.3± 0.3	107± 1	10.0± 0.3	5.0± 1.5
300ppm	10	16.8± 1.2**	0.6± 0.0	141± 1	3.3± 0.2	107± 1	10.0± 0.2*	5.2± 1.3
450ppm	10	16.6± 1.6**	0.6± 0.1	142± 1	3.2± 0.2	107± 1	10.2± 0.3**	4.8± 1.1

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE H1

URINALYSIS : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

URINALYSIS

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Bilirubin −	+	2+	3+	CHI
Control	10	0	0	0	0	0	7	3		0	1	5	3	1	0		10	0	0	0	0	0		4	3	3	0	0	0		10	0	0	0	
10ppm	10	0	0	0	0	4	5	1		0	3	5	1	1	0		10	0	0	0	0	0		8	2	0	0	0	0		10	0	0	0	
30ppm	10	0	0	0	0	0	8	2		0	0	2	8	0	0		10	0	0	0	0	0		2	6	1	1	0	0		10	0	0	0	
100ppm	10	0	0	0	0	1	5	4		0	0	7	3	0	0		10	0	0	0	0	0		5	3	2	0	0	0		10	0	0	0	
300ppm	10	0	0	0	0	0	4	6		0	0	1	4	5	0		10	0	0	0	0	0		0	3	7	0	0	0		10	0	0	0	
450ppm	10	0	0	0	0	0	3	7		0	0	3	3	3	1		10	0	0	0	0	0		4	2	3	1	0	0		10	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01

Test of CHI SQUARE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

URINALYSIS

Group Name	NO. of Animals	Occult blood −	±	+	2+	3+	CHI	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0		10	0	0	0	0	
10ppm	10	8	2	0	0	0		10	0	0	0	0	
30ppm	10	6	3	1	0	0		10	0	0	0	0	
100ppm	10	9	1	0	0	0		10	0	0	0	0	
300ppm	10	9	1	0	0	0		10	0	0	0	0	
450ppm	10	8	1	1	0	0		10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

TABLE H2

URINALYSIS : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

URINALYSIS

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Bilirubin −	+	2+	3+	CHI
Control	10	0	0	1	0	1	5	3		3	7	0	0	0	0		10	0	0	0	0	0		10	0	0	0	0	0		10	0	0	0	
10ppm	10	0	0	0	0	3	3	4		3	6	1	0	0	0		10	0	0	0	0	0		9	1	0	0	0	0		10	0	0	0	
30ppm	10	0	0	0	0	6	3	1		2	6	2	0	0	0		10	0	0	0	0	0		10	0	0	0	0	0		10	0	0	0	
100ppm	10	0	0	0	3	0	3	4		4	4	2	0	0	0		10	0	0	0	0	0		10	0	0	0	0	0		10	0	0	0	
300ppm	10	0	0	0	1	1	2	6		0	6	4	0	0	0	*	10	0	0	0	0	0		8	2	0	0	0	0		10	0	0	0	
450ppm	10	0	0	0	0	3	3	4		0	4	4	2	0	0	*	10	0	0	0	0	0		6	2	2	0	0	0		10	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

URINALYSIS

Group Name	NO. of Animals	Occult blood −	±	+	2+	3+	CHI	Urobilinogen ±	+	2+	3+	4+	CHI
Control	10	10	0	0	0	0		10	0	0	0	0	
10ppm	10	9	0	1	0	0		10	0	0	0	0	
30ppm	10	10	0	0	0	0		10	0	0	0	0	
100ppm	10	10	0	0	0	0		10	0	0	0	0	
300ppm	10	9	0	1	0	0		10	0	0	0	0	
450ppm	10	10	0	0	0	0		10	0	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

TABLE I 1

GROSS FINDINGS : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name / NO. of Animals	Control 10 (%)	10ppm 10 (%)	30ppm 10 (%)	100ppm 10 (%)
liver	herniation		2 (20)	1 (10)	1 (10)	1 (10)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name	300ppm		450ppm	
		NO. of Animals	10	(%)	10	(%)
liver	herniation		1	(10)	1	(10)

TABLE I 2

GROSS FINDINGS : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name / NO. of Animals	Control 10 (%)	10ppm 10 (%)	30ppm 10 (%)	100ppm 10 (%)
liver	herniation		1 (10)	1 (10)	1 (10)	2 (20)
ovary	cyst		1 (10)	0 (0)	0 (0)	0 (0)
eye	white		1 (10)	0 (0)	0 (0)	0 (0)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name NO. of Animals	300ppm 10 (%)	450ppm 10 (%)
liver	herniation		2 (20)	0 (0)
ovary	cyst		0 (0)	0 (0)
eye	white		0 (0)	1 (10)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	285± 10	0.236± 0.020	0.051± 0.010	3.080± 0.088	0.868± 0.042	0.938± 0.057
10ppm	10	294± 10	0.245± 0.017	0.052± 0.005	3.143± 0.086	0.879± 0.041	0.941± 0.029
30ppm	10	293± 14	0.234± 0.031	0.055± 0.008	3.101± 0.097	0.884± 0.045	0.934± 0.050
100ppm	10	305± 20**	0.253± 0.033	0.053± 0.010	3.212± 0.084**	0.915± 0.047	0.949± 0.049
300ppm	10	287± 12	0.237± 0.015	0.054± 0.007	3.152± 0.086	0.866± 0.077	0.949± 0.041
450ppm	10	277± 12	0.209± 0.025	0.049± 0.006	3.102± 0.097	0.839± 0.039	0.939± 0.034

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

(HCL040)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	1.799± 0.069	0.542± 0.015	7.152± 0.367	1.847± 0.039
10ppm	10	1.817± 0.076	0.551± 0.021	7.440± 0.351	1.872± 0.024
30ppm	10	1.835± 0.082	0.554± 0.035	7.674± 0.372*	1.880± 0.039
100ppm	10	1.932± 0.119**	0.584± 0.042	8.556± 0.875**	1.903± 0.044**
300ppm	10	1.918± 0.068*	0.553± 0.042	8.649± 0.575**	1.864± 0.027
450ppm	10	1.917± 0.093*	0.532± 0.033	8.818± 0.454**	1.836± 0.051

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	164± 6	0.180± 0.027	0.057± 0.005	0.103± 0.034	0.579± 0.028	0.690± 0.038
10ppm	10	169± 7	0.193± 0.022	0.063± 0.009	0.099± 0.010	0.606± 0.031	0.704± 0.030
30ppm	10	164± 11	0.193± 0.037	0.056± 0.007	0.095± 0.012	0.571± 0.035	0.692± 0.043
100ppm	10	168± 8	0.189± 0.019	0.057± 0.006	0.092± 0.007	0.585± 0.035	0.699± 0.035
300ppm	10	161± 6	0.182± 0.023	0.059± 0.009	0.095± 0.008	0.568± 0.030	0.702± 0.033
450ppm	10	157± 6	0.179± 0.019	0.050± 0.007	0.092± 0.023	0.553± 0.053	0.711± 0.037

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	1.108± 0.046	0.370± 0.017	3.904± 0.202	1.722± 0.041
10ppm	10	1.137± 0.046	0.376± 0.017	4.124± 0.214	1.738± 0.042
30ppm	10	1.098± 0.050	0.362± 0.019	3.949± 0.319	1.730± 0.016
100ppm	10	1.140± 0.046	0.380± 0.030	4.267± 0.270*	1.724± 0.028
300ppm	10	1.148± 0.037	0.363± 0.018	4.379± 0.199**	1.711± 0.022
450ppm	10	1.178± 0.052**	0.337± 0.020**	4.551± 0.386**	1.681± 0.021**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	285± 10	0.083± 0.006	0.018± 0.004	1.083± 0.038	0.305± 0.015	0.329± 0.016
10ppm	10	294± 10	0.083± 0.005	0.018± 0.002	1.070± 0.054	0.299± 0.011	0.320± 0.012
30ppm	10	293± 14	0.080± 0.008	0.019± 0.003	1.059± 0.043	0.302± 0.008	0.319± 0.010
100ppm	10	305± 20**	0.083± 0.009	0.017± 0.002	1.057± 0.058	0.301± 0.011	0.312± 0.017*
300ppm	10	287± 12	0.083± 0.006	0.019± 0.002	1.100± 0.056	0.302± 0.022	0.331± 0.012
450ppm	10	277± 12	0.076± 0.010	0.018± 0.002	1.122± 0.051	0.303± 0.014	0.340± 0.017

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

(HCL042)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	0.632± 0.025	0.190± 0.004	2.511± 0.061	0.649± 0.019
10ppm	10	0.618± 0.020	0.187± 0.004	2.528± 0.044	0.637± 0.025
30ppm	10	0.626± 0.020	0.189± 0.009	2.620± 0.097*	0.643± 0.028
100ppm	10	0.634± 0.017	0.191± 0.006	2.800± 0.119**	0.626± 0.035
300ppm	10	0.669± 0.016**	0.193± 0.008	3.013± 0.100**	0.651± 0.027
450ppm	10	0.692± 0.019**	0.192± 0.006	3.183± 0.085**	0.664± 0.030

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	164± 6	0.110± 0.015	0.035± 0.003	0.062± 0.018	0.352± 0.014	0.420± 0.022
10ppm	10	169± 7	0.114± 0.012	0.038± 0.006	0.059± 0.007	0.359± 0.014	0.417± 0.017
30ppm	10	164± 11	0.117± 0.016	0.034± 0.004	0.058± 0.006	0.348± 0.017	0.422± 0.023
100ppm	10	168± 8	0.113± 0.011	0.034± 0.003	0.055± 0.004	0.348± 0.017	0.416± 0.015
300ppm	10	161± 6	0.113± 0.013	0.036± 0.005	0.059± 0.006	0.352± 0.020	0.436± 0.019
450ppm	10	157± 6	0.114± 0.011	0.032± 0.003	0.058± 0.013	0.351± 0.024	0.452± 0.018**

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

(HCL042)

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	0.674± 0.016	0.225± 0.009	2.375± 0.102	1.048± 0.033
10ppm	10	0.673± 0.015	0.222± 0.008	2.440± 0.089	1.029± 0.031
30ppm	10	0.669± 0.025	0.221± 0.008	2.402± 0.083	1.056± 0.064
100ppm	10	0.678± 0.022	0.226± 0.015	2.536± 0.064**	1.027± 0.044
300ppm	10	0.713± 0.022**	0.226± 0.012	2.718± 0.126**	1.062± 0.039
450ppm	10	0.750± 0.021**	0.214± 0.011	2.894± 0.198**	1.070± 0.034

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

STUDY NO. : 0717
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
ALL ANIMALS (0- 14W)

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 10				10ppm 10				30ppm 10				100ppm 10			
			1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)	1 (%)	2 (%)	3 (%)	4 (%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	goblet cell hyperplasia		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)
lung			<10>				<10>				<10>				<10>			
	ossification		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
{Circulatory system}																		
heart			<10>				<10>				<10>				<10>			
	inflammatory cell nest		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	herniation		2 (20)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
	vacuolic change		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)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	300ppm				450ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}										
nasal cavit			<10>				<10>			
	goblet cell hyperplasia		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
lung			<10>				<10>			
	ossification		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Circulatory system}										
heart			<10>				<10>			
	inflammatory cell nest		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}										
liver			<10>				<10>			
	herniation		1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
	vacuolic change		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				10ppm				30ppm				100ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<10>				<10>				<10>				<10>			
	eosinophilic body		9	0	0	0	10	0	0	0	10	0	0	0	10	0	0	0
			(90)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<10>				<10>				<10>				<10>			
	Rathke pouch		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Special sense organs/appendage}																		
Harder gl			<10>				<10>				<10>				<10>			
	lymphocytic infiltration		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)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	300ppm				450ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}										
kidney			<10>				<10>			
	eosinophilic body		10	0	0	0	10	0	0	0
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Endocrine system}										
pituitary			<10>				<10>			
	Rathke pouch		0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}										
Harder gl			<10>				<10>			
	lymphocytic infiltration		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name	Control				10ppm				30ppm				100ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
{Hematopoietic system}																		
bone marrow			<10>				<10>				<10>				<10>			
	granulation		1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}																		
liver			<10>				<10>				<10>				<10>			
	herniation		1	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<10>				<10>				<10>				<10>			
	Rathke pouch		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)
thyroid			<10>				<10>				<10>				<10>			
	ultimobranchial body remanet		1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Reproductive system}																		
ovary			<10>				<10>				<10>				<10>			
	cyst		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	300ppm				450ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}										
bone marrow			<10>				<10>			
	granulation		0	1	0	0	0	0	0	0
			(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}										
liver			<10>				<10>			
	herniation		2	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}										
pituitary			<10>				<10>			
	Rathke pouch		1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
thyroid			<10>				<10>			
	ultimobranchial body remanet		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Reproductive system}										
ovary			<10>				<10>			
	cyst		0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				10ppm				30ppm				100ppm			
		No. of Animals on Study	10				10				10				10			
		Grade	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Special sense organs/appendage}																		
eye			<10>				<10>				<10>				<10>			
	cataract		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Harder gl			<10>				<10>				<10>				<10>			
	lymphocytic infiltration		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	300ppm				450ppm			
		No. of Animals on Study	10				10			
		Grade	1	2	3	4	1	2	3	4
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Special sense organs/appendage}										
eye			<10>				<10>			
	cataract		0	0	0	0	0	1	0	0
			(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)
Harder gl			<10>				<10>			
	lymphocytic infiltration		1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)

Grade 1 : Slight 2 : Moderate 3 : Marked 4 : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
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