

Sodium perchlorate(1 hydrate) (過塩素酸ナトリウム)

Chemical Name: Sodium perchlorate(1 hydrate)
 Synonym
 Molecular weight: 140.46
 Melting point:
 Boiling point:
 Chemical Structure

$$\text{NaClO}_4 \cdot \text{H}_2\text{O}$$

 CAS No: 7791-07-3
 MITI No: (1)-240
 Source of Substance: Wako Pure Chem. Ind., Ltd.
 Lot.No.: EPL3167
 Purity: Guaranteed reagent
 Vehicle: H₂O

Mutagenicity
 in Bacterial Test: Negative

IARC Evaluation: not yet cited

Judgement
 Specific Mutagenicity
 Positive Control

Experimental Data

Con. μg/ plate	Number of Revertants/plate											
	Base-substitution						Frame-shift					
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
H ₂ O	(101)	(118)	(15)	(11)	(42)	(52)	(13)	(30)	(9)	(13)	(14)	(26)
	100	123	12	14	44	57	14	32	10	12	19	28
	98	115	15	13	38	54	15	28	9	7	14	25
20	(99)	(119)	(14)	(14)	(41)	(56)	(15)	(30)	(10)	(15)	(17)	(27)
	101	112	18	12	42	50	17	37	6	12	17	28
	114	117	12	10	40	64	15	27	5	9	22	22
50	(108)	(115)	(15)	(11)	(41)	(57)	(16)	(32)	(6)	(11)	(20)	(25)
	98	112	12	12	48	60	13	32	7	9	14	36
	97	121	15	11	49	64	21	24	4	12	14	21
100	(98)	(117)	(14)	(12)	(49)	(62)	(17)	(28)	(6)	(11)	(14)	(29)
	107	112	16	12	48	55	13	26	5	15	19	34
	96	106	18	10	43	50	11	32	6	7	20	23
200	(102)	(109)	(17)	(11)	(46)	(53)	(12)	(29)	(6)	(11)	(20)	(29)
	99	119	17	11	48	49	14	29	9	10	13	29
	126	117	15	10	50	53	10	28	8	13	20	33
500	(113)	(118)	(16)	(11)	(49)	(51)	(12)	(29)	(9)	(12)	(17)	(31)
	113	130	15	12	42	53	13	24	5	17	14	27
	101	123	11	9	39	61	18	23	6	18	17	24
1000	(107)	(127)	(13)	(11)	(41)	(57)	(16)	(24)	(6)	(18)	(16)	(26)
	110	130	13	11	52	60	13	30	7	12	20	33
	115	117	14	10	51	58	16	31	4	14	15	32
2000	(113)	(124)	(14)	(11)	(52)	(59)	(15)	(31)	(6)	(13)	(18)	(33)
	120	132	12	9	41	64	11	32	8	10	13	25
	90	109	17	13	39	54	12	28	4	9	18	29
5000	(105)	(121)	(15)	(11)	(40)	(59)	(12)	(30)	(6)	(10)	(16)	(27)
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	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(440)	(591)	(184)	(264)	(361)	(779)	(364)	(621)	(615)	(198)	(274)	(668)