

Chromium(III)chloride (6 hydrate)

(塩化第二クロム)

Chemical Name:	Chromium(III)chloride (6 hydrate)
Synonym	Chromic chloride(6 hydrate)
Molecular weight:	266.44
Melting point:	°C
Boiling point:	°C
Chemical Structure	$CrCl_3 \cdot 6H_2O$
CAS No:	10060-12-5
MITI No:	(1)-208
Source of Substance:	Wako Pure Chem. Ind., Ltd.
Lot. No.:	KWL1537
Purity:	extra pure reagent
Vehicle:	H ₂ O

Mutagenicity
in Bacterial Test: Negative
IARC Evaluation: G 3

Judgement
Specific Mutagenicity
Positive
Control

Con. μg/ plate	Experimental Data											
	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	(165)	(160)	(46)	(11)	(35)	(32)	(23)	(46)	(10)	(25)	(14)	(32)
	153	164	30	14	40	31	31	54	8	29	23	34
	150	163	52	11	34	26	18	65	4	17	16	38
100	(152)	(164)	(41)	(13)	(37)	(29)	(25)	(60)	(6)	(23)	(20)	(36)
	120	170	45	12	53	35	27	48	8	16	14	37
	166	146	36	13	40	43	26	44	6	23	18	37
200	(143)	(158)	(41)	(13)	(47)	(39)	(27)	(46)	(7)	(20)	(16)	(37)
	157	158	36	11	48	33	31	61	4	26	11	36
	156	162	31	5	34	29	23	57	7	25	11	35
500	(157)	(160)	(34)	(8)	(41)	(31)	(27)	(59)	(6)	(26)	(11)	(36)
	141	101	35	2	48	33	11	48	5	23	14	29
	141	115	34	14	52	30	17	45	12	38	16	35
1000	(141)	(108)	(35)	(8)	(50)	(32)	(14)	(46)	(9)	(31)	(15)	(32)
	117	126	24	6	41	38	18	38	11	9	28	38
	146	127	42	4	39	36	22	48	4	13	16	30
2000	(132)	(127)	(33)	(5)	(40)	(37)	(20)	(43)	(8)	(11)	(22)	(34)
	153	144	34	6	37	43	16	81	5	47	16	55
	136	150	29	6	29	65	24	72	11	48	16	48
5000	(145)	(147)	(32)	(6)	(33)	(54)	(20)	(77)	(8)	(48)	(16)	(52)
	139*	0*	30*	0*	71*	0*	33*	0*	11*	0*	0*	0*
	102*	0*	15*	0*	82*	0*	33*	0*	19*	0*	0*	0*
10000	(121*)	(0*)	(23*)	(0*)	(77*)	(0*)	(33*)	(0*)	(15*)	(0*)	(0*)	(0*)
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	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA 80	AF2	2AA	9AA	2AA	4NQO	2AA
	(740)	(540)	(440)	(166)	(311)	(1334)	(505)	(451)	(179)	(279)	(329)	(331)