

**Chromium(III)potassium sulfate (12 hydrate)**  
(クロムカリミョウバン)

<b>Chemical Name:</b>	Chromium(III)potassium sulfate (12 hydrate)
<b>Synonym</b>	Potassium chromic sulfate (12 hydrate)
<b>Molecular weight:</b>	499.39
<b>Melting point:</b>	°C
<b>Boiling point:</b>	°C
<b>Chemical Structure</b>	$CrK(SO_4)_2 \cdot 12H_2O$
<b>CAS No:</b>	7788-99-0
<b>MITI No:</b>	-----
<b>Source of Substance:</b>	Wako Pure Chem. Ind., Ltd.
<b>Lot. No. :</b>	KWM0594
<b>Purity:</b>	extra pure reagent
<b>Vehicle:</b>	H <sub>2</sub> O

**Mutagenicity**  
in Bacterial Test: Negative  
IARC Evaluation: G 3

**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 <sub>2</sub> O	(161)	(166)	(33)	(17)	(29)	(38)	(23)	(37)	(11)	(13)	(11)	(20)
	178	154	42	6	30	31	20	38	10	18	13	19
	151	210	40	11	31	44	21	62	18	16	21	23
100	(165)	(182)	(41)	(9)	(31)	(38)	(21)	(50)	(14)	(17)	(17)	(21)
	165	167	30	15	25	33	26	53	12	16	8	16
	172	155	38	11	32	40	35	48	18	25	13	18
200	(169)	(161)	(34)	(13)	(29)	(37)	(31)	(51)	(15)	(21)	(11)	(17)
	162	170	47	14	54	40	29	50	10	19	9	19
	138	152	35	11	24	42	19	51	15	19	4	14
500	(150)	(161)	(41)	(13)	(39)	(41)	(24)	(51)	(13)	(19)	(7)	(17)
	152	159	38	27	42	42	19	40	9	14	11	26
	187	175	28	18	30	48	21	50	16	19	13	17
1000	(170)	(167)	(33)	(23)	(36)	(45)	(20)	(45)	(13)	(17)	(12)	(22)
	160	157	36	12	30	32	23	54	13	16	8	32
	152	139	31	13	43	28	17	67	8	16	9	28
2000	(156)	(148)	(34)	(13)	(37)	(30)	(20)	(61)	(11)	(16)	(9)	(30)
	155	150	35	16	56	31	28	69	18	22	21	18
	185	141	35	14	38	40	25	57	15	23	5	16
5000	(170)	(146)	(35)	(15)	(47)	(36)	(27)	(63)	(17)	(23)	(13)	(17)
	178	155	33	23	49	45	34	69	30	38	28	34
	182	150	35	15	52	42	35	54	23	38	26	41
10000	(180)	(153)	(34)	(19)	(51)	(44)	(35)	(62)	(27)	(38)	(27)	(38)
	—	—	—	—	—	—	—	—	—	—	—	—
	AF2	2AA 0.5	NaN <sub>3</sub>	2AA	AF2	2AA 80	AF2	2AA	9AA	2AA	4NQO	2AA
	(696)	(424)	(386)	(166)	(199)	(1127)	(593)	(208)	(307)	(504)	(275)	(308)