

Cobalt(II)sulfate(7 hydrate) (硫酸コバルト)

Experimental Data

Chemical Name:	Cobalt(II)sulfate(7 hydrate)
Synonym	Cobaltous sulfate
Molecular weight:	281.12
Melting point:	96-98°C
Boiling point:	
Chemical Structure	
	C o S O ₄ · 7 H ₂ O
CAS No:	10124-43-3
MITI No:	(1)-270
Source of Substance:	Wako Pure Chem. Ind., Ltd.
Lot.No.:	STM2694
Purity:	Guaranteed reagent
Vehicle:	H ₂ O

Con. μg/ plate	Number of Revertants/plate												
	Base-substitution						Frame-shift						
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538		
H ₂ O	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	
	(105)	(125)	(15)	(13)	(37)	(53)	(14)	(27)	(7)	(11)	(15)	(23)	
	111	93	17	14	41	51	23	31	7	11	18	19	
	105	105	20	9	43	47	21	23	7	9	15	13	
20	(108)	(99)	(19)	(12)	(42)	(49)	(21)	(27)	(7)	(10)	(17)	(16)	
	121	107	17	13	51	49	27	25	7	8	24	24	
	130	114	15	11	39	46	25	21	13	14	10	17	
50	(126)	(111)	(16)	(12)	(45)	(48)	(26)	(23)	(10)	(11)	(17)	(21)	
	146	128	17	8	58	51	27	34	10	12	10	20	
	151	130	27	13	55	42	16	21	13	10	15	27	
100	(149)	(129)	(22)	(11)	(57)	(47)	(22)	(28)	(12)	(11)	(13)	(24)	
	157	136	12	11	43	54	25	22	15	13	20	22	
	149	103	13	10	39	47	20	22	11	12	11	18	
200	(153)	(120)	(13)	(11)	(41)	(51)	(23)	(22)	(13)	(13)	(16)	(20)	
	168	138	24	16	42	42	26	30	7	12	12	28	
	167	134	18	8	35	53	26	26	16	11	13	25	
500	(168)	(136)	(21)	(12)	(39)	(48)	(26)	(28)	(12)	(12)	(13)	(27)	
	167	134	15	12	10	34	15	20	8	12	7	21	
	205	133	11	17	17	27	16	30	12	9	9	27	
1000	(186)	(134)	(13)	(14)	(14)	(31)	(16)	(25)	(10)	(11)	(8)	(24)	
	180	157	11	8	8*	9*	21	27	13	8	11	18	
	203	171	12	7	10	5*	19	26	10	11	10	26	
2000	(192)	(164)	(12)	(8)	(9*)	(7*)	(20)	(27)	(12)	(10)	(11)	(22)	
	218	197	10	12	0*	0*	8	14	7	11	19	24	
	215	226	7*	7	0*	0*	10	12	5	8	9	25	
5000	(217)	(212)	(9*)	(10)	(0*)	(0*)	(9)	(13)	(6)	(10)	(14)	(25)	
Judgement	+	-	-	-	-	-	-	-	-	-	-	-	
Specific Mutagenicity	22.4												
Positive Control	AF2	2AA	0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(302)	(535)	(177)	(330)	(267)	(923)	(284)	(375)	(1108)	(155)	(293)	(400)	