

CHROMIUM OXIDE

Chromium(III) oxide (or chrome oxide) CAS Number 1308-38-9. Molar mass 151.99 g/mol ,Density :5.22 g/cm³ , Melting point:2,435 °C (4,415 °F; 2,708 K),Boiling point:4,000 °C (7,230 °F; 4,270 K). It is an [inorganic compound](#) with the [formula Cr₂O₃](#). It is one of the principal oxides of [chromium](#) and is used as a Chromium Metal, refractory materials, Inorganic pigment and Grind material.

Abrasives and others

Utilized in polishing and buffing applications due to its hardness. Incorporated in polishing compounds for metals, glass, and gemstones.

Regular Grade

ITEMS	LIMITS	RESULTS
Cr ₂ O ₃ CONTENT%	≥99.00	99.58
MOISTURE%	≤0.20	0.01
WATER SOLUBLE MATTER%	≤0.50	0.22
RESIDUE 325%	≤0.30	0.07
HEHA-CHROME CONTENT (Cr6)+PPM	≤100	45
PH	5-7	6.48

PARTICLE SIZE ANALYSIS BY BT-9300H SYSTEM

Sample Name: Regular Grade	Sample Owner: SPRUCEX LLC
Medium Name: water	Measure Dept: SPRUCEX LLC
Operator: Jessica	Test Date: 2024-11-03 Test Time: 11:06:42
Remark:	

D50: 2.28um	D[4, 3]: 2.40um	D[3, 2]: 2.01um	Obscuration: 30.08
SSA: 572.19m ² /kg	Matter Index: 2.520+0.100i	Medium Index: 1.333	Span: 1.08
D0: 100.00um	D0: 100.00um	D0: 100.00um	D0: 100.00um
D0: 100.00um	D0: 100.00um	D0: 100.00um	D0: 100.00um

Diam um	Diff %	Cumu %	Diam um	Diff %	Cumu %	Diam um	Diff %	Cumu %	Diam um	Diff %	Cumu %
0.10 - 0.11	0	0	0.76 - 0.85	0.81	1.77	5.85 - 6.51	0.28	100	44.69 - 49.74	0	100
0.11 - 0.12	0	0	0.85 - 0.95	1.31	3.08	6.51 - 7.24	0	100	49.74 - 55.36	0	100
0.12 - 0.14	0	0	0.95 - 1.05	1.98	5.06	7.24 - 8.06	0	100	55.36 - 61.62	0	100
0.14 - 0.15	0	0	1.05 - 1.17	2.75	7.81	8.06 - 8.97	0	100	61.62 - 68.58	0	100
0.15 - 0.17	0	0	1.17 - 1.31	3.62	11.43	8.97 - 9.98	0	100	68.58 - 76.33	0	100
0.17 - 0.19	0	0	1.31 - 1.45	4.66	16.09	9.98 - 11.11	0	100	76.33 - 84.96	0	100
0.19 - 0.21	0	0	1.45 - 1.62	5.89	21.98	11.11 - 12.37	0	100	84.96 - 94.56	0	100
0.21 - 0.24	0	0	1.62 - 1.80	7.24	29.22	12.37 - 13.77	0	100	94.56 - 105.24	0	100
0.24 - 0.26	0	0	1.80 - 2.00	8.67	37.89	13.77 - 15.32	0	100	105.24 - 117.13	0	100
0.26 - 0.29	0.03	0.03	2.00 - 2.23	9.83	47.72	15.32 - 17.05	0	100	117.13 - 130.37	0	100
0.29 - 0.32	0.02	0.05	2.23 - 2.48	10.45	58.17	17.05 - 18.98	0	100	130.37 - 145.10	0	100
0.32 - 0.36	0.02	0.07	2.48 - 2.76	10.27	68.44	18.98 - 21.12	0	100	145.10 - 161.50	0	100
0.36 - 0.40	0.03	0.1	2.76 - 3.08	9.3	77.74	21.12 - 23.51	0	100	161.50 - 179.75	0	100
0.40 - 0.45	0.02	0.12	3.08 - 3.42	7.7	85.44	23.51 - 26.17	0	100	179.75 - 200.06	0	100
0.45 - 0.50	0.04	0.16	3.42 - 3.81	5.78	91.22	26.17 - 29.12	0	100	200.06 - 222.66	0	100
0.50 - 0.55	0.06	0.22	3.81 - 4.24	3.97	95.19	29.12 - 32.41	0	100	222.66 - 247.83	0	100
0.55 - 0.62	0.12	0.34	4.24 - 4.72	2.47	97.66	32.41 - 36.08	0	100	247.83 - 275.83	0	100
0.62 - 0.69	0.2	0.54	4.72 - 5.25	1.39	99.05	36.08 - 40.15	0	100	275.83 - 307.00	0	100
0.69 - 0.76	0.42	0.96	5.25 - 5.85	0.67	99.72	40.15 - 44.69	0	100	307.00 - 341.69	0	100



