

Specification

Product: Cobalt Oxide - Electronic Grade

CAS No.: 1308-06-1

Appearance

A fine black powder

Chemical Analysis

	Spec	Typical
Cobalt, as Co, wt %	73.5±0.5	73.4
Manganese, as Mn, ppm	< 100	10.0
Iron, as Fe, ppm	< 150	50.0
Nickel, as Ni, ppm	< 500	80.0
Copper, as Cu, ppm	< 20	3.0
Sodium, as Na, ppm	< 500	200
Calcium, as Ca, ppm	< 100	50.0
Magnesium, as Mg, ppm	< 100	10.0
Zinc, as Zn, ppm	< 50	10.0
Lead, as Pb, ppm	< 50	5.0
Chromium, as Cr, ppm	< 50	10.0

Typical Physical Characteristics

Apparent density, g/cm ³	0.7~1.2
Tap density, g/cm ³	2.0~3.0
Particle size (D ₅₀), micron	<4

Packing

- 25 kgs per aluminum bag / 1,000 kgs per pallet.

Principal uses

- As a colorant for glass, ceramics and enamels.
- As a decolorant in glass manufacture.
- As a raw material for battery industry.
- As a catalyst.
- As a pigment.

Products can be manufactured to individual customer requirements on request.