

## Specification

**Product: Cobalt Oxide - Ceramic Grade**

**CAS No.: 1308-06-1**

### Appearance

A fine black powder

### Chemical Analysis

|                       | Spec   | Typical |
|-----------------------|--------|---------|
| Cobalt, as Co, wt %   | > 73.0 | 73.2    |
| Manganese, as Mn, ppm | < 1000 | 20.0    |
| Iron, as Fe, ppm      | < 500  | 180     |
| Nickel, as Ni, ppm    | < 1500 | 100     |
| Copper, as Cu, ppm    | < 100  | 5.0     |
| Sodium, as Na, ppm    | < 4000 | 500     |
| Zinc, as Zn, ppm      | < 100  | 10.0    |

### Typical Physical Characteristics

|  |     |     |
|--|-----|-----|
| Particle size (D <sub>50</sub> ), micron | < 4 | 3.0 |
|--|-----|-----|

### 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.*