

Technical Data Sheet

Cobalt(II) Oxide Powder

Product ID: 270801PD001 / 270801PD002

Formula: CoO

Molecular weight: 74.93 g/mol

CAS No.: 1307-96-6

EINECS No.: 215-154-6

Color: Tawny or earthy yellow

Description: Our cobalt(II) oxide typically has a purity of $\geq 99.5\%$, with low impurity content and high consistency.

Application: Battery materials, catalysts, magnetic materials, ceramics, and glass, etc.

Product

Image:



1. Sizes

Product ID	Formula	Size
270801PD001	CoO (99.5%)	Fsss: $<1\mu\text{m}$
270801PD002	CoO (99.9%)	Fsss: $<1\mu\text{m}$
270801PDDZ	CoO	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Ni	Fe	Mn	Na	Ca	Cu	Mg
99.5%	≤ 1500	≤ 200	≤ 80	≤ 200	≤ 200	≤ 100	≤ 100
99.9%	≤ 150	≤ 150	≤ 50	≤ 100	≤ 200	≤ 100	≤ 50

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Apparent Density (AD)

0.30-1.0 g/cm³

4. Tapped Density (TD)

0.30-1.8 g/cm³

5. Packaging

Bottled/Bag.

Double vacuum packed.

6. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear protective equipment (e.g., mask, goggles, and gloves) and operate in a well-ventilated area to avoid inhalation or contact with dust.

Stored in a sealed container in a cool, dry place, away from incompatible substances such as acids and reducing agents, and regularly inspect the storage container for integrity.

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