

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Cobalt(II,III) oxide - nanopowder, <50 nm particle size (TEM), 99.5% trace metals basis

Product Number:

637025

CAS Number:

1308-06-1

MDL:

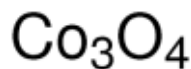
MFCD00010939

Formula:

Co₃O₄

Formula Weight:

240.80 g/mol



TEST	Specification
Appearance (Color)	Black
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
Complexometric EDTA % Cobalt	70.0 - 75.0 %
Particle Size Measurements TEM	≤ 50 nm
Purity 99.5% Based on Trace Metal Analysis	Meets Requirements
Trace Metal Analysis	≤ 5500.0 ppm
Silver (Ag)	
Aluminum (Al)	
Arsenic (As)	
Boron (B)	
Barium (Ba)	
Beryllium (Be)	
Bismuth (Bi)	
Calcium (Ca)	
Cadmium (Cd)	
Cobalt (Co)	
Chromium (Cr)	
Copper (Cu)	
Iron (Fe)	
Iridium (Ir)	
Potassium (K)	
Lithium (Li)	

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.



3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Cobalt(II,III) oxide - nanopowder, <50 nm particle size (TEM), 99.5% trace metals basis

Product Number:

637025

CAS Number:

1308-06-1

MDL:

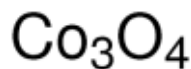
MFCD00010939

Formula:

Co₃O₄

Formula Weight:

240.80 g/mol



TEST	Specification
------	---------------

Magnesium (Mg)
Manganese (Mn)
Molybdenum (Mo)
Sodium (Na)
Nickel (Ni)
Lead (Pb)
Palladium (Pd)
Platinum (Pt)
Antimony (Sb)
Tin (Sn)
Strontium (Sr)
Titanium (Ti)
Vanadium (V)
Tungsten (W)
Zinc (Zn)
Zirconium (Zr)

Specification: PRD.3.ZQ5.10000034743

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

