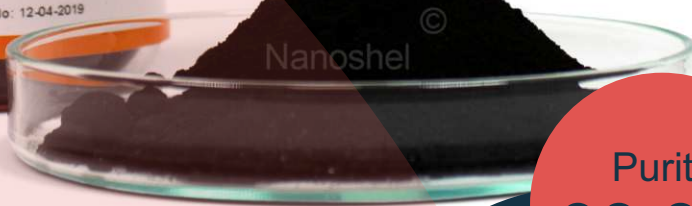
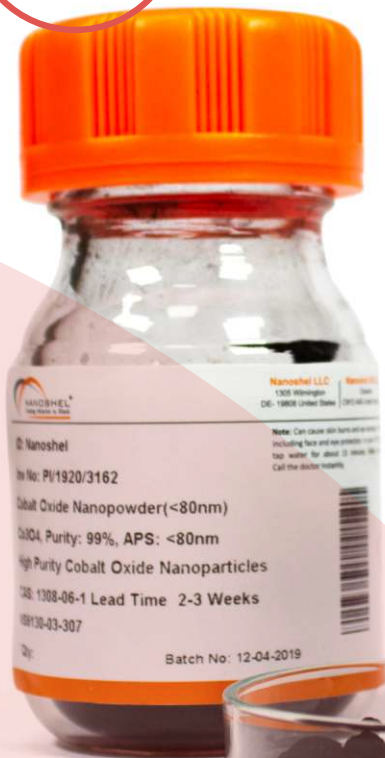






COBALT OXIDE NANOPOWDER



Purity
99.9%



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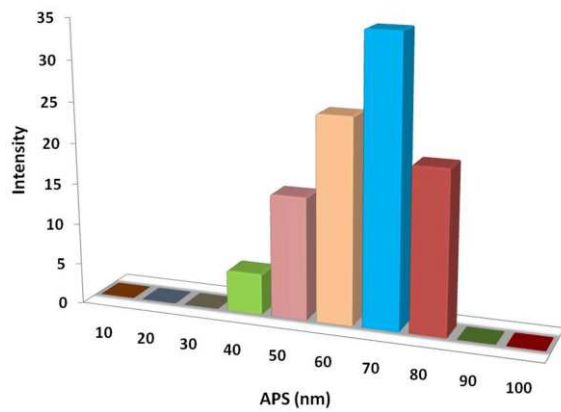
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NS6130-03-307

NEXT 

COBALT OXIDE NANOPOWDER

Cobalt oxide nanoparticles have potential applications in lithium-ion batteries and electronic gas sensors. Cobalt oxide particles may be anchored on substrates such as graphene to improve the dimensional stability of the anode and to prevent particle aggregation during lithium charge and discharge processes. The unique properties of cobalt oxide nanopowders see them used and experimented with in a number of electronic applications, including semiconductors, superconductors, electronic ceramics, lithium ion batteries, electro chromic devices, and solar energy absorbers. As is the case for many nanomaterials, cobalt oxide nanopowders have been utilized as catalysts and catalyst carriers for a variety of reasons. Most notably, they're useful in organic synthesis, in heterogeneous catalysts, and as an electro active catalyst material



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-03-307	99.9%	<80nm
NS6130-03-308	99.9%	20nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
Co ₃ O ₄	240.80 g/mol	6.1 g/cm ³	895 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	Co ₃ O ₄	Other Metal
Cobalt Oxide Nanopowder	99.9%	1000ppm

APPLICATIONS

- > As catalyst and catalyst carriers
- > As an electrode active materials
- > For glass, porcelain colorants and pigments
- > Chemical industry oxidants
- > Senior goggles and other filter materials
- > As carbides
- > In temperature and gas sensors
- > In electro chromic devices

QuickFACTS

Product	:	Cobalt Oxide Nanopowder
Stock No	:	NS6130-03-307
CAS	:	1308-06-1
Color	:	Black
Form	:	Powder
Symbol	:	Co ₃ O ₄
Group	:	Cobalt 9/Oxygen 16

Electronic Configuration:

Cobalt [Ar] 3d⁷ 4s²/Oxygen [He] 2s² 2p⁴



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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