

MANGANESE OXIDE NANOPOWDER



Purity
99.9%

Mn_3O_4



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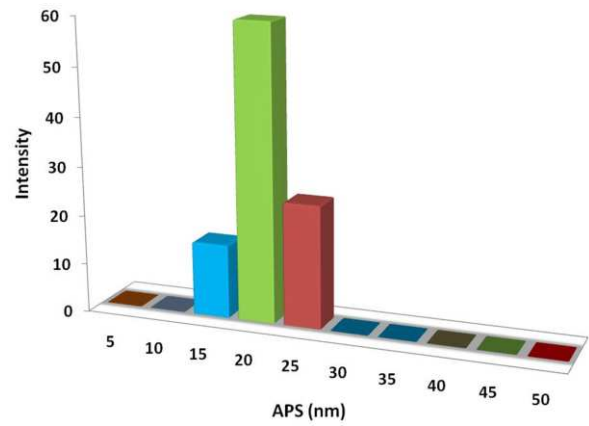
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NS6130-03-384

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MANGANESE OXIDE NANOPOWDER

Manganese oxide is an inorganic compound and it has high surface area. It also shows cubic structure. This compound is synthesized by sol gel method, solvothermal treatment, and microemulsion. It is used in different fields such as in rechargeable lithium ion batteries, catalysts, soft magnetic materials. In addition, this compound is also utilized in magnetic storage devices, sensors and electronics. Thus compound is also employed in waste water treatment, super capacitors. It is also used in batteries due to its low cost, special properties and environment benignity. These nanoparticles are utilized in various industries owing to its shapes, size and phases can be modified. It also shows magnetic, electric and catalytic properties.



ADDITIONAL POWDER CHARACTERISTICS

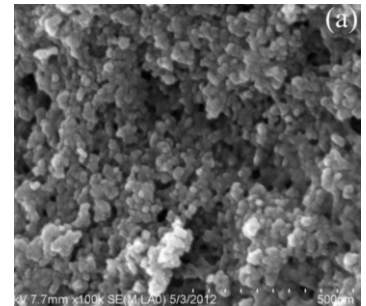
Stock No.	Purity	APS
NS6130-03-384	99.9%	10-20nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
Mn ₃ O ₄	228.81 g/mol	4.86 g/cm ³	1705 °C

CHEMICAL COMPOSITION

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



QuickFACTS

Product	:	Manganese Oxide Nanopowder
Stock No	:	NS6130-03-384
CAS	:	1317-35-7
Color	:	Brown
Form	:	Powder
Symbol	:	Mn ₃ O ₄
Group	:	Manganese 7/Oxygen 16

Electronic Configuration:

Manganese [Ar] 3d⁵ 4s²

Oxygen [He] 2s² 2p⁴

APPLICATIONS

- > Electronic components
- > Bleaching agent
- > Catalyst
- > Voltage sensitive material
- > for magnetic data storage



ISO 9001:2015
CERTIFIED COMPANY

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