NANOSHEL
Creating Miracles in Black

MANGANESE DIOXIDE NANOPOWDER

Purity
99.9%

MnO_2

NS6130-03-388

NEXT

Follow us:

I www.nanoshel.com I sales@nanoshel.com

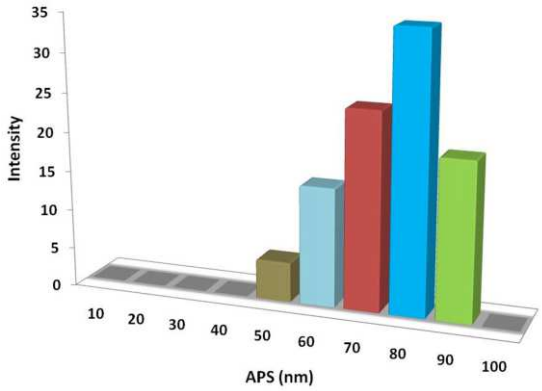
MANGANESE DIOXIDE NANOPOWDER

Manganese Dioxide is an inorganic compound and chemical formula is MnO2. This compound naturally occurs in dark brown/Gray in color and as the mineral pyrolusite. These nanoparticles utilize as anode material in lithium-ion batteries for their environment benignity, low cost, and special properties.

Manganese dioxide nanoparticles synthesized by distinct methods such as hydrothermal method, co-precipitation method, sol-gel, precursor technique, wet chemical route, etc. It is the most attractive inorganic material due to its physical and chemical properties. This compound has wide applications in catalysis, molecular adsorption, biosensor, ion exchange, biosensors, and energy storage devices. These nanoparticles are utilized in various fields for instance in coatings, textile industry, in biosensors, etc. These are also employed as magnetic nanoparticles for magnetic storage data and magnetic resonance imaging (MRI).

Quick FACTS

Product	:	Manganese Dioxide Nanopowder
Stock No	:	NS6130-03-388
CAS	:	1313-13-9
Color	:	Dark Brown/Gray
Form	:	Powder
Symbol	:	MnO_2



ADDITIONAL POWDER CHARACTERISTICS

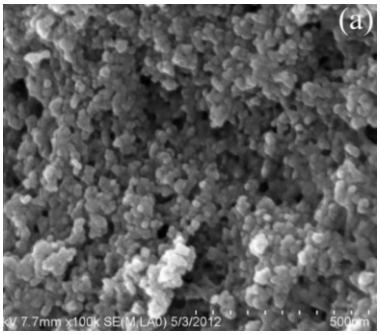
Stock No.	Purity	APS
NS6130-03-388	99.9%	<80nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
MnO_2	86.9368 g/mol	5.02 g/cm³	535°C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	MnO_2	Other Metal
Manganese Dioxide Nanopowder	99.9%	1000ppm



APPLICATIONS

- Pharmaceutical industries
- Sensors
- Piezoelectric crystals
- Utilized in fuel cell electrodes
- Catalysis

20ZICE4589C 19ZAZGO1274G 20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)
INDIA
+91 9779 550077, 9779238252

NANOSHEL UK LIMITED
Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom
+44 1782 454 144, +44 74 105 48802

NANOSHEL LLC
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States
+1 646 470 4911