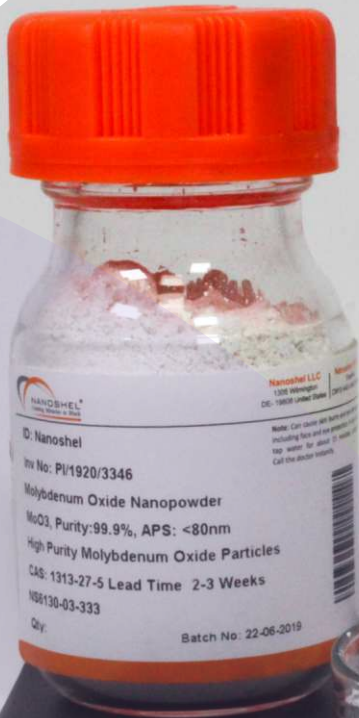


MOLYBDENUM TRIOXIDE NANOPOWDER



Purity
99.9%

MoO₃

NS6130-03-333

NEXT



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MOLYBDENUM TRIOXIDE NANOPOWDER

Molybdenum Trioxide is an oxide of molybdenum metal and in this chemical compound, each molecule has one molybdenum atom with three oxygen atoms. In recent years, molybdenum trioxide has the highest production among various molybdenum compounds metal.

Nanopowder of molybdenum has been utilized in different industrial fields in the form of lubricant additives, metallurgical additives, and powder sintering additives. It is also the raw material of electrical components, smoke suppressor and cleaner. Molybdenum trioxide is a chemical compound having formula MoO_3 . It occurs as the rare mineral molybdite.

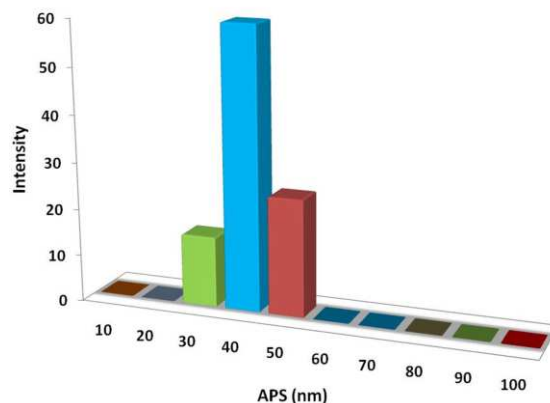
Molybdenum oxide unique catalytic and electronic properties and also have the application in chemical synthesis, recording media, petroleum refining, and sensors. It is utilized in optical device applications and the most auspicious material for photoelectrochemical energy production due to high surface area and also having higher photo efficiencies. It is also believed that this compound has the potential to be an anti-bacterial agent and plays a role in waste management.

QuickFACTS

Product	:	Molybdenum Trioxide Nanopowder
Stock No	:	NS6130-03-333
CAS	:	1313-27-5
Color	:	Light White
Form	:	Powder
Symbol	:	MoO_3
Group	:	Molybdenum 6/Oxygen 16

Electronic Configuration:

Molybdenum [Kr] 4d5 5s1 /Oxygen [He] 2s2 2p4



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-03-333	99.9%	<80nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
MoO_3	143.95 g/mol	4.69 g/cm ³	795 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	MoO_3	Other Metal
Molybdenum Trioxide Nanopowder	99.9%	1000ppm

APPLICATIONS

- > Utilized in catalysis.
- > Employed as catalysts, cracking catalysts, and hydrogenation catalysts.
- > Used in the industrial production of acrylonitrile
- > Used in glass and ceramics production.
- > Serves as an additive to steel and corrosion-resistant alloys
- > Electrochemical applications
- > Pigment applications
- > In coatings, nanowires, nanofibers, plastics, and textiles



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
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