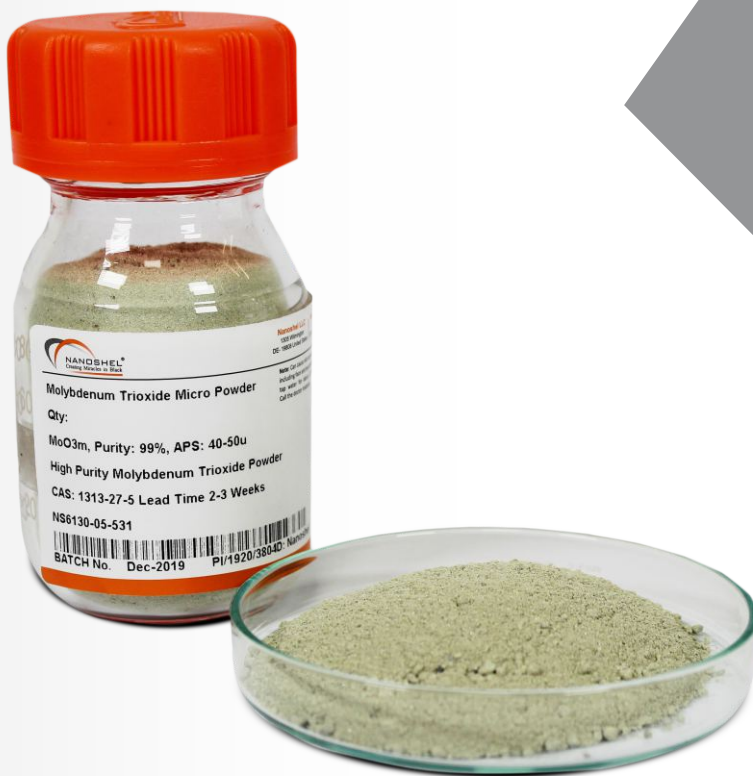


Molybdenum Trioxide Powder



NS6130-05-531

APS
40-50 μ m



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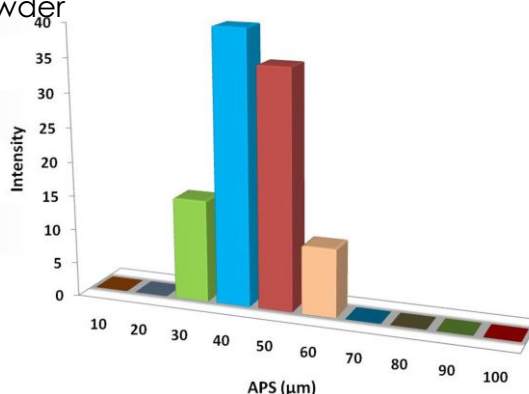
Molybdenum Trioxide Powder

Molybdenum trioxide is a chemical compound with the formula of MoO_3 and it is an intermediate in the fabrication of molybdenum metal and it is also an indispensable industrial catalyst. Molybdenum trioxide occurs as the rare mineral molybdenite and it is employed to manufacture molybdenum metal, which serves as an additive to steel and corrosion-resistant alloys. Molybdenum is a remarkable catalyst in the refining of petroleum. It acts as a filament material in electronic and electrical applications. Molybdenum is a crucial trace element in plant nutrition.

It is also a component of the co-catalyst utilized in the industrial production of acrylonitrile by the oxidation of propene and ammonia. Because of its layered structure and MoO_3 is of interest in electrochemical devices and displays. Molybdenum trioxide has also been considered as a potential anti-microbial agent, for instance in polymers. In contact with water, it forms H^+ ions that can kill bacteria effectively.

Quick Facts

Product	:	Molybdenum Trioxide Powder
Stock No	:	NS6130-05-531
CAS	:	1313-27-5
Purity	:	99%
Color	:	Light Green / Yellowish
Form	:	Powder



Technical Specification

Formula	APS	Molecular Weight	Melting Point
MoO_3	40-50μm	143.95 g/mol	795 °C

Chemical Composition

Product	Weight Percent (nominal)
Molybdenum Trioxide Powder	99%

Applications

- Steel and corrosion-resistant alloys
- Electrochemical devices and displays
- Circuit inks for circuit boards

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20ZICE4589C



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