

LITHIUM SULFIDE POWDER

Stock No: NS6130-12-000749

NaBH_4



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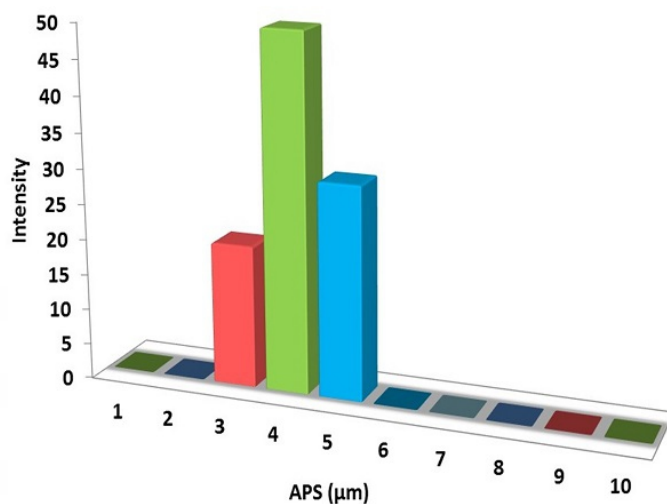
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Lithium Sulfide Powder

Lithium sulfide is the inorganic compound with the formula Li_2S . Lithium sulfide (Li_2S) is considered the promising cathode material for its high theoretical capacity, high melting point, affordable volume expansion, and lithium composition. Lithium sulfide particles at nanometer scales show a number of unique optical properties, which may be of value in electronics, imaging devices, photovoltaics and many other fields.

Quick Facts

Product	: Lithium Sulfide Powder
Color	: White/off-white Powder
Stock No	: NS6130-12-000749
CAS	: 12136-58-2
Purity	: >99%
APS	: 3-5 μm
Other Metal	: 8500ppm



Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
NaBH_4	45.95 g/mol	1.66g/cm $_3$	900-975°C

Applications

- Used as a reagent in the reduction of amino acids and their derivatives
- Used as a catalyst in the ammonia borane dehydrogenation.
- Used in synthesis of silver and gold nanoparticles
- Direct borohydride fuel cell
- Hydrogen storage

ISO 9001:2015
CERTIFIED COMPANY



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