

NICKEL OXYHYDROXIDE NANOPOWDER



Purity
99.9%

NiOOH

NS6130-12-000499



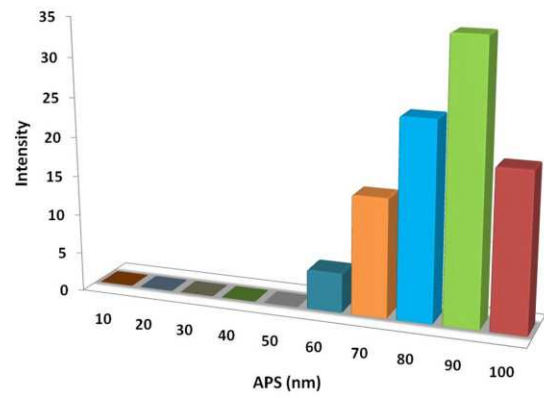
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NICKEL OXYHYDROXIDE NANOPOWDER

Nickel oxyhydroxide is an inorganic compound and its chemical formula is NiO(OH). Nickel (III) oxides are imperfectly characterized and are supposed to be nonstoichiometric compounds. Nickel (III) oxide (Ni₂O₃) has not been confirmed crystallographically. NiOOH is a familiar material system to utilize as electrodes in nickel-metal hydride rechargeable batteries. Moreover, it is used as catalysts and sensors.

The unit cell volume of Ni(OH)₂ can be reduced when oxidized into NiOOH and reversible redox between the two phases Ni(OH)₂ and NiOOH is familiar to occur within low voltage. Such remarkable properties should make Ni(OH)₂/NiOOH an auspicious material system for electrochemical actuation under low voltages. Ni(OH)₂/NiOOH synthesized by distinct methods such as anodic electrodeposition on Ni substrate.



ADDITIONAL POWDER CHARACTERISTICS

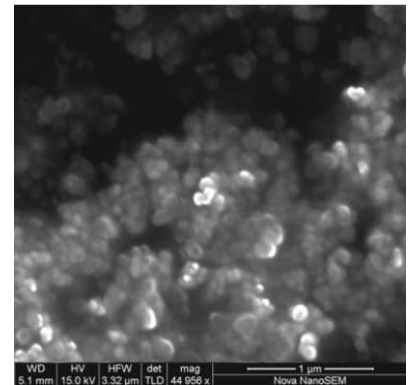
Stock No.	Purity	APS
NS6130-12-000499	99.9%	<100nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
NiOOH	92.724 g/mol	1.00 g/cm ³	230 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
Nickel Oxyhydroxide Nanopowder	NiOOH: 99.9%	Other Metal: 1000ppm



QuickFACTS

Product	:	Nickel Oxyhydroxide Nanopowder
Stock No	:	NS6130-12-000499
CAS	:	55070-72-9
Color	:	Black/Green
Form	:	Powder
Symbol	:	NiOOH

APPLICATIONS

- > Thin films used in gasochromic application
- > Batteries
- > Incandescent light bulbs
- > Digital cameras.
- > Catalysts
- > Sensors



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