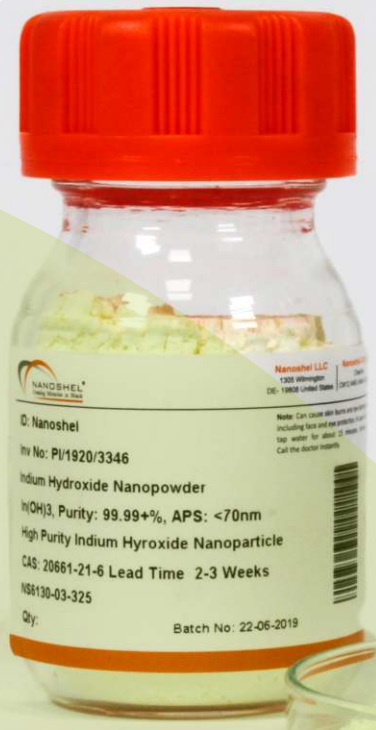
NANOSHEL
Creating Miracles in Black

INDIUM HYDROXIDE NANOPOWDER



Purity
99.9%

$In(OH)_3$

NS6130-03-325

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INDIUM HYDROXIDE NANOPOWDER

Indium Hydroxide is a chemical compound and its formula is In (OH)3. It is also founf as rare mineral dzhalindite. It has cubic structure. It is widely used in material science to manufacture the gas sensors due to its gas sensing properties. It is widely used as substitute for mercury as a battery inhibitor. Indium oxide is employed in coatings. For instance, it is used in antistatic and optical coatings.

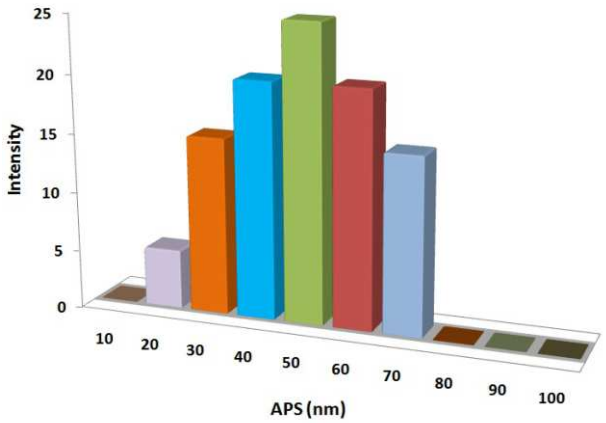
In addition to its role in optical coatings, indium oxide nanoparticles are used in various advanced mirrors, windows, glasses, and lasers. In distinct electronic devices and materials require indium oxide, with nanoparticles allowing new applications of existing technologies and principles. Of particular interest is the use of indium oxide nanoparticles with tin oxide to produce a transparent conducting ceramic. Moreover, these nanoparticles are used in gas sensors for detecting nitrogen dioxide or ozone.

Quick FACTS

Product	:	Indium Hydroxide Nanopowder
Stock No	:	NS6130-03-325
CAS	:	20661-21-6
Color	:	White
Form	:	Powder
Symbol	:	$In(OH)_3$
Group	:	Indium 13/Oxygen 16/Hydrogen 1

Electronic Configuration:

Indium [Kr] 4d10 5s2 5p/Hydrogen 1s1/Oxygen [He] 2s2 2p4



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-03-325	99.9%	20-70nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
$In(OH)_3$	165.840 g/mol	4.38 g/cm³	150 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	$In(OH)_3$	Other Metal
Indium Hydroxide Nanopowder	99.9%	1000ppm

APPLICATIONS

> Gas Sensors

> Used as substitute for mercury as a battery inhibitor

> Catalysts

20ZICE4589C 19ZAZGO1274G 20ZICE4588M

ISO 9001:2015 CERTIFIED COMPANY

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