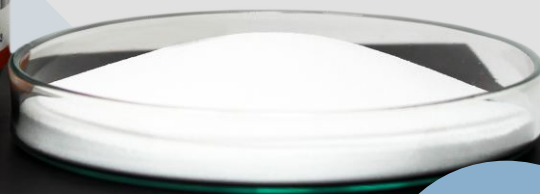
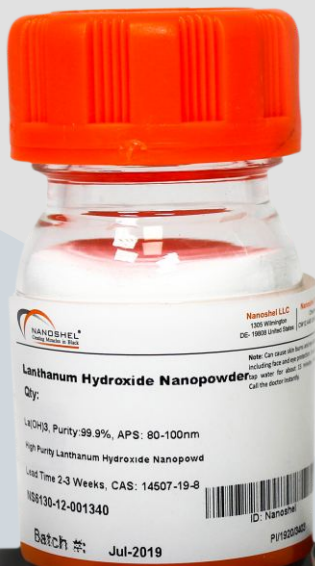


# LANTHANUM HYDROXIDE NANOPOWDER



Purity  
99.9%



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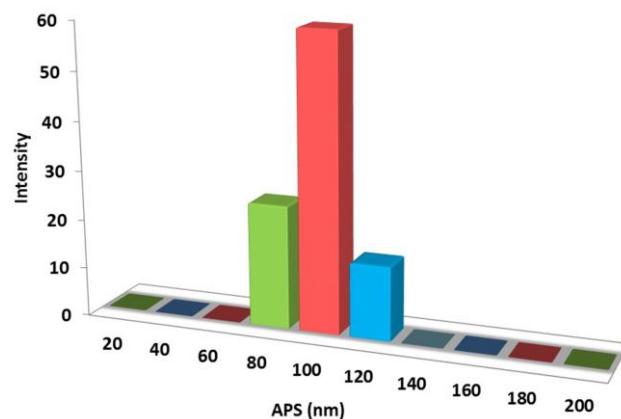
NS6130-12-001340

## LANTHANUM HYDROXIDE NANOPOWDER

The synthesis, production and manipulation of nanoscale materials is currently one of the favorite areas of research which also lures the industrialists for designing and fabricating new functional materials with special properties. Lanthanides have unique electronic configuration [4f electrons] because of the unique electronic configuration these have been applied in distinct fields. Moreover, these lanthanide-based materials have attractive and interesting magnetic, optical, electrical and therapeutic properties. Among the lanthanides, lanthanum has been mostly used for its unique properties. Many methods have been developed for the synthesis of lanthanum nanostructures for instance hydrothermal, solvothermal, micro emulsion or reverse micelles, sol-gel, laser deposition, and other chemical and physical methods.

## QuickFACTS

Product	:	Lanthanum Hydroxide NPs
Stock No	:	NS6130-12-001340
CAS	:	14507-19-8
Color	:	White
Form	:	Powder
Symbol	:	La(OH) <sub>3</sub>



### ADDITIONAL POWDER CHARACTERISTICS

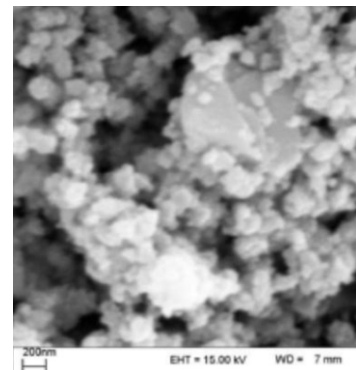
Stock No.	Purity	APS
NS6130-12-001340	99.9%	80-100nm

### TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density
La(OH) <sub>3</sub>	189.93 g/mol	4.28 g/cm <sup>3</sup>

### CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	La(OH) <sub>3</sub>	Other Metal
Lanthanum Hydroxide Nanopowder	99.9%	1000ppm



### APPLICATIONS

- > Magnetic data storage and magnetic resonance imaging (MRI)
- > In biosensors
- > For phosphate removal in bio medical and water treatment
- > In laser crystals and optics
- > In nanowires, nanofibers, and in specific alloy and catalyst applications
- > optical fibers, precision optical glasses, and other alloy materials



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

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