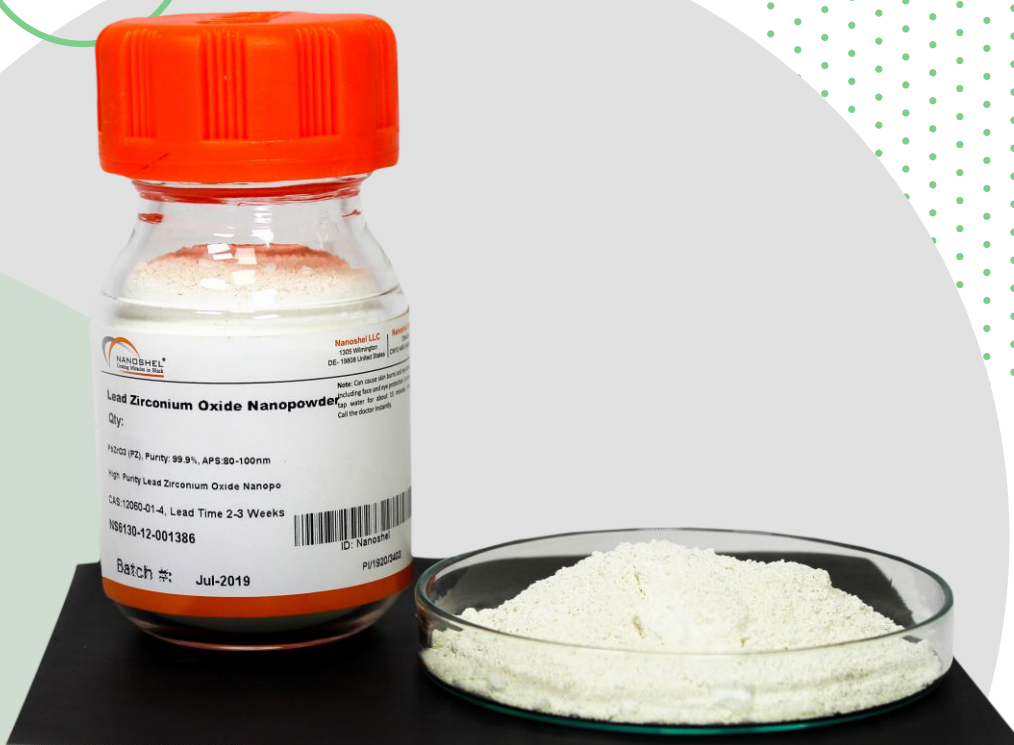


LEAD ZIRCONIUM OXIDE NANOPOWDER



Purity
99.9%

PbZrO_3

NS6130-12-001386

NEXT



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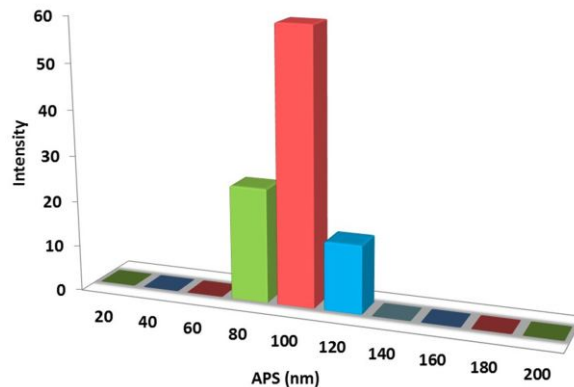
| www.nanoshel.com | sales@nanoshel.com

LEAD ZIRCONIUM OXIDE NANOPOWDER

ZrO₂ (zirconia) is a material of excellent technological significance and it is a white crystalline oxide of zirconium. It has various properties such as fine natural color, high stability, high toughness, high chemical strength, desirable corrosion, chemical, and microbial resistance. ZrO₂ manifests plenty of oxygen vacancies on its surface with wideband gap and it is called as P-type semiconductor. Due to the high ion exchange ability and redox movement make it useful in many catalytic processes as a catalyst. To synthesize ultrafine ceramic powders, various approaches have been followed such as sol-gel, hydrothermal, spray pyrolysis, salt-assisted aerosol decompositions, carbon nanotube templated technique and reflux and emulsion precipitation. Zirconia powders utilize in the production of certain forms of artificial jewelry.

QuickFACTS

Product	:	Lead Zirconium Oxide Nanopowder
Stock No	:	NS6130-12-001386
CAS	:	12060-01-4
Form	:	Powder
Symbol	:	PbZrO ₃



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-12-001386	99.9%	80-100nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
PbZrO ₃	346.4 g/mol	7.0 g/cm ³	1570 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	PbZrO ₃	Other Metal
Lead Zirconium Oxide Nanopowder	99.9%	1000ppm

APPLICATIONS

- > Used in ceramics Industry
- > In making artificial jewelry.
- > In making abrasive, insulating and fire-retarding materials.
- > used for optical storage,
- > Utilized in light shutters, and stereo television glasses.
- > Used energy storage such as in Fuel, battery
- > Utilized for high-temperature and corrosion resisting components



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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