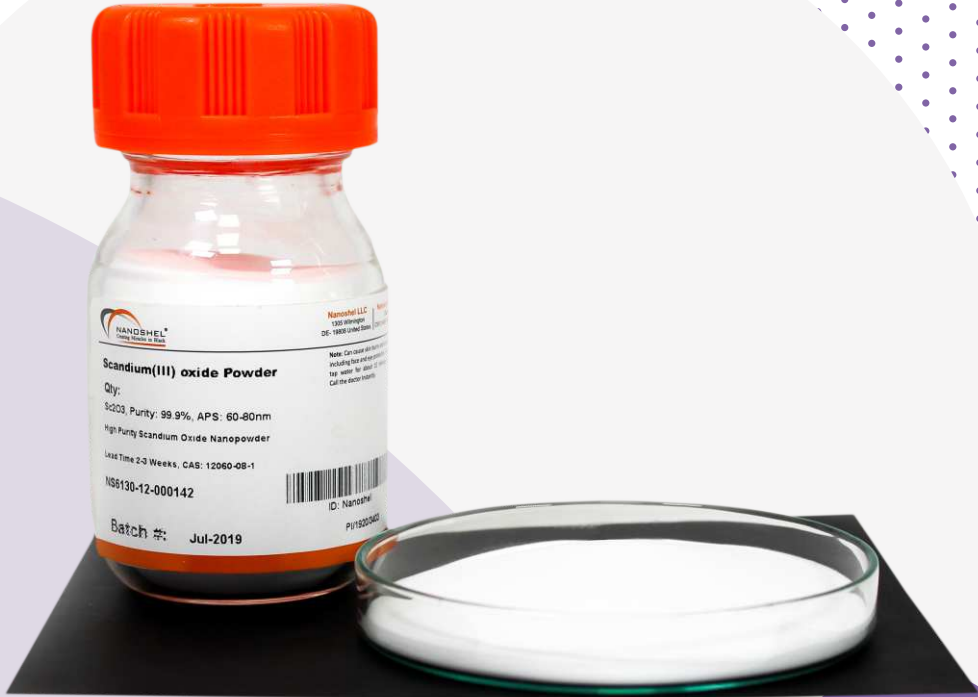
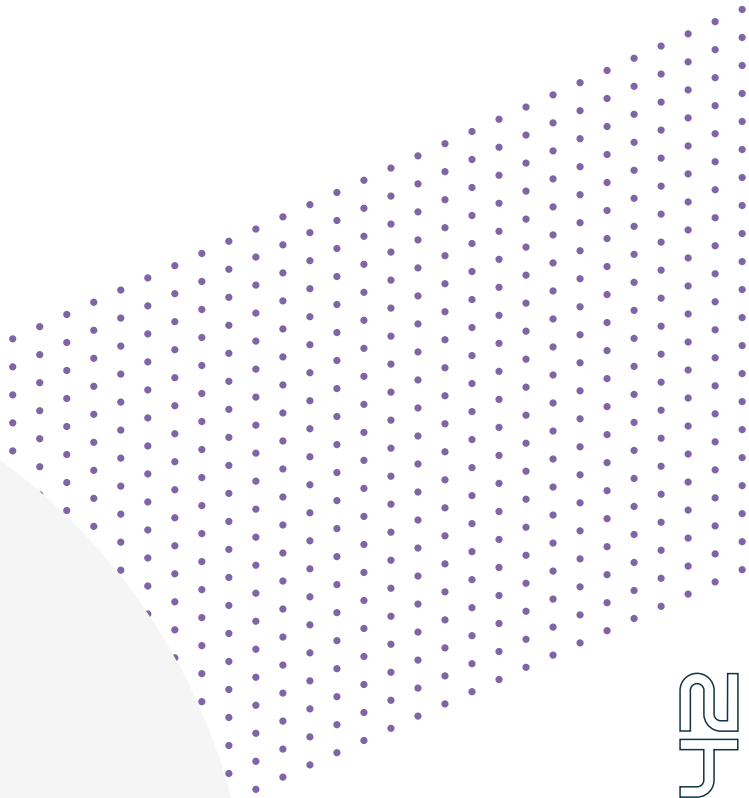


SCANDIUM OXIDE NANOPOWDER



Purity
99.9%



NS6130-12-000142

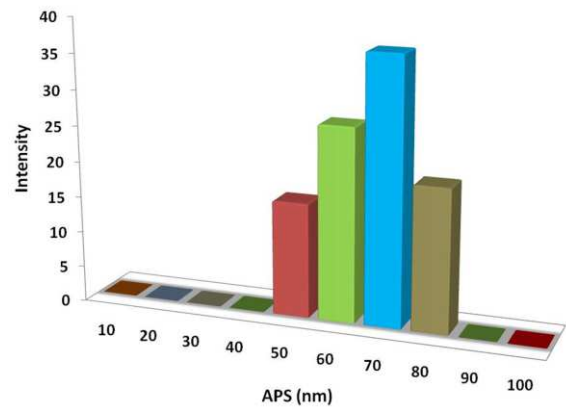
NEXT



SCANDIUM OXIDE NANOPOWDER

Scandium oxide is also known as Scandia. It has high melting point and it is a rare earth metal. Mostly it is used in the manufacturing of scandium compounds. It is also utilized as additive material in glass and ceramics. Moreover, it is employed as an additive in high-temperature systems to improve the properties.

It is an insulator with a wide bandgap and it exhibits cubic crystal structure. This nanopowder can be synthesized by distinct methods such as oxalate precipitation technique, the called propellant synthesis, electrochemical deposition method, reverse-strike precipitation technique, and hydrothermal synthesis. It shows good transparency and high thermal conductivity.



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-12-000142	99.9%	60-80nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
SC ₂ O ₃	137.91 g/mol	3860 kg/m ³	2485 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	SC ₂ O ₃	Other Metal
Scandium Oxide Nanopowder	99.9%	1000ppm

APPLICATIONS

- > Used in the preparation of other scandium compounds.
- > Utilized as additive to glass, ceramics and
- > Used as additive in high temperature systems to improve their properties.

QuickFACTS

Product	:	Scandium Oxide Nanopowder
Stock No	:	NS6130-12-000142
CAS	:	12060-08-1
Color	:	White
Form	:	Powder
Symbol	:	SC ₂ O ₃



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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