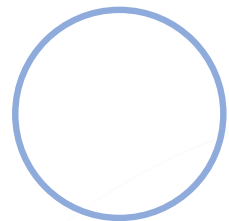


STANNOUS OXIDE NANOPOWDER



Purity
99.9%

SnO



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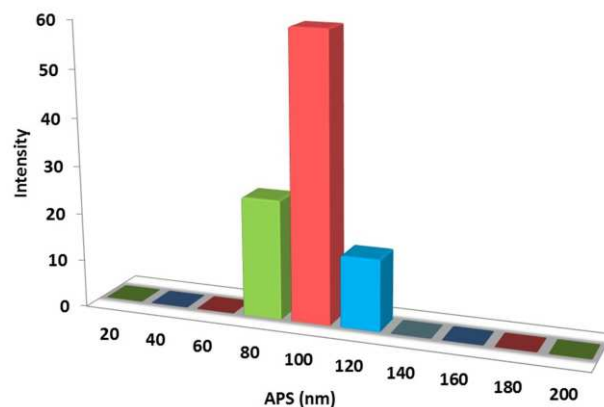
NS6130-03-349

STANNOUS OXIDE NANPOWDER

Stannous oxide nanoparticles show unique characteristics such as low cost, low response time, high gas sensing and fast recovery makes it a suitable material for gas sensors. Stannous oxide (SnO), an important p-type semiconductor with direct optical band gap (E_g) of 2.5eV, has shown its significance in many fields of science and engineering and has been applied as coating substance, a catalyst for the polymerization of lactic acids, thin-film transistor TFT. SnO and other tin oxides are being used in different fields of technology, such as catalysis, chemical gas sensing, heat reflection, and microelectronics. SnO synthesized by various techniques such as hydrothermal method, wet chemical however simple route is sonication-assisted precipitation technique at room temperature for the preparation of SnO. Recently, SnO becomes the most attractive material due to it is used in the lithium-ion secondary battery.

QuickFACTS

Product	:	Stannous Oxide Nanopowder
Stock No	:	NS6130-03-349
CAS	:	21651-19-4
Color	:	White/Light Gray
Form	:	Powder
Symbol	:	SnO



ADDITIONAL POWDER CHARACTERISTICS

Stock No.	Purity	APS
NS6130-03-349	99.9%	80-100nm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
SnO	134.71 g/mol	6.45 g/cm ³	1080 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	SnO	Other Metal
Stannous Oxide Nanopowder	99.9%	1000ppm

APPLICATIONS

- > In lithium-ion rechargeable batteries
- > Used as a catalysts for the polymerization of lactic acids
- > Thin film transistor TFT
- > Chemical gas sensing,
- > Heat reflection
- > Microelectronics



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
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