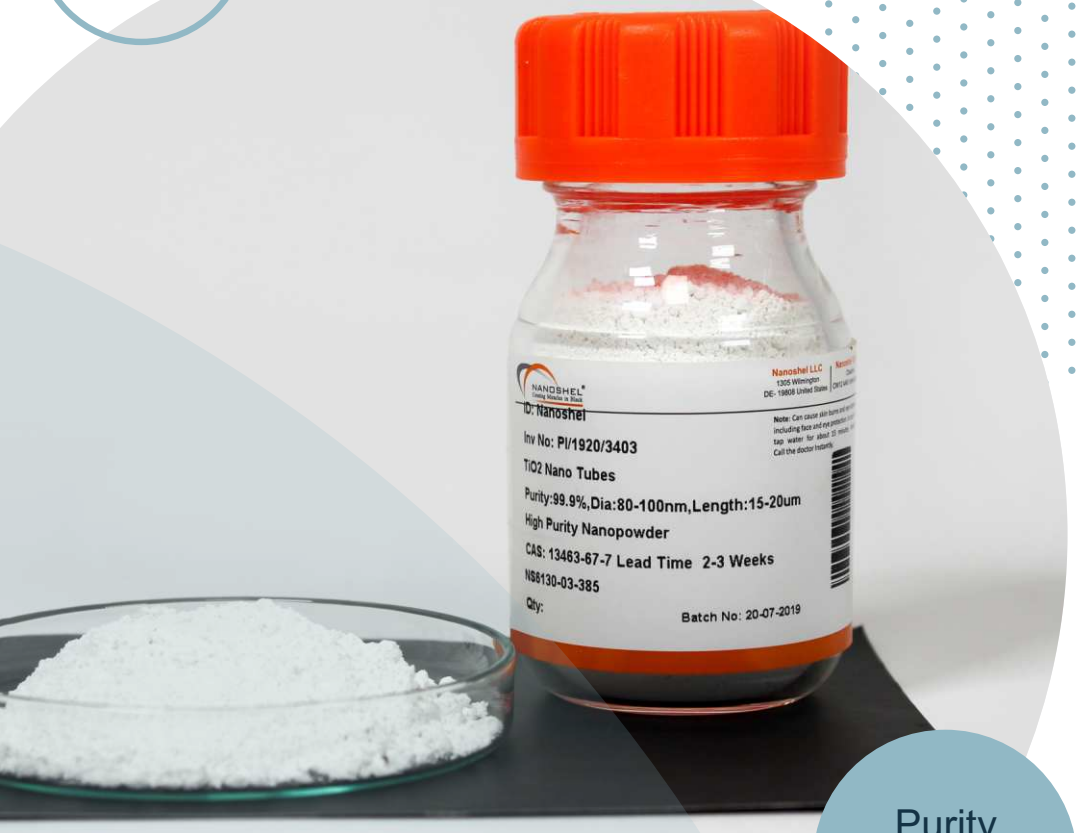
NANOSHEL
Creating Miracles in Black

TITANIUM OXIDE NANOTUBES



Purity
99.9%

TiO_2

NS8130-03-385

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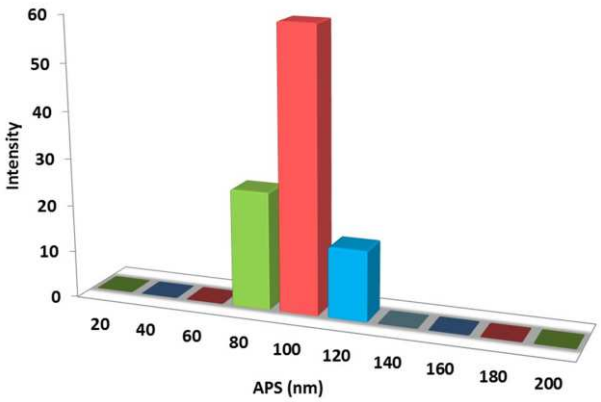
TITANIUM OXIDE NANOTUBES

Titanium oxide nanotubes auspicious material in nanostructured oxides and it has tubular structure. These nanotubes are inexpensive,moreover chemically stable. TiO2 has a wide gap semiconductor oxide. It is harmless and also has no adsorption in the visible light region. By the UV radiation, the electron and hole pair can be generated on its surface and also initiate chemical reactions.

It also has good nphotocheical properties including high photocatalytic reactions. It is widely used in dye-sensitized solar cells, photocatalysts, gas sensor, etc. these nanotubes are synthesized by various methods Various methods such as anodizing of metal substrates, replica, and template methods. In these oxides properties can be controlled and enhanced by tuning the chemical composition and crystal structures.



ADDITIONAL POWDER CHARACTERISTICS

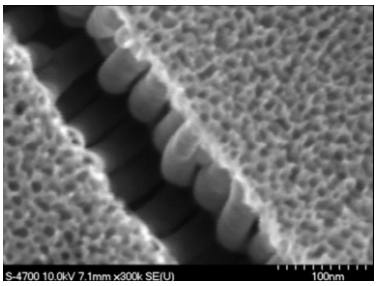
Stock No.	Purity	APS	Avg Length
NS6130-03-385	99.9%	80-100nm	15-20µm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
TiO_2	79.866 g/mol	3.9 g/cm³	1860 °C

CHEMICAL COMPOSITION

Product	Weight Percent (nominal)	
	TiO_2	Other Metal
Titanium Oxide Nanotubes	99.9%	1000ppm



APPLICATIONS

- Utilized in optics
- Electronic applications
- Used in transitors
- Used in energy storage devices

Quick FACTS

Product	:	Titanium Oxide Nanotubes
Stock No	:	NS6130-03-385
CAS	:	13463-67-7
Color	:	White
Form	:	Powder
Symbol	:	Ti_2
Group	:	Titanium 4/Oxygen 16

Electronic Configuration:

Titanium [Ar] 3d2 4s2

Oxygen [He] 2s2 2p4

20ZICE4589C 19ZAZGO1274G 20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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