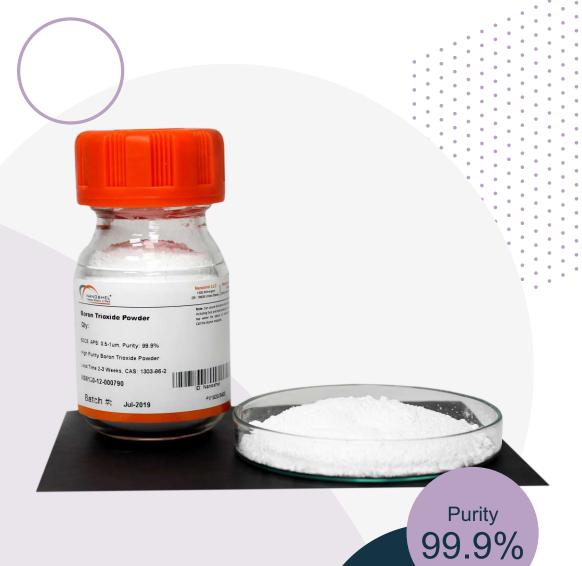


BORON OXIDE SUBMICRON POWDER



 B_2O_3















BORON OXIDE SUBMICRON POWDER

Boron trioxide has an amorphous structure and its chemical formula is B2O3. It is also an oxide of boron and it becomes crystalline after great annealing. The reactivity of the boron is mainly dependent on the structure whether it is in amorphous or crystalline structure. It has potential applications in fuels or additive material in the fuels.

Amorphous boron has high density, high melting point, chemically inert, high hardness and thermal stability. It is also used in coating materials and prepares composite materials. Boron oxide usually reacts with water so for synthesis purpose some methods cannot use such as solgel method, hydrothermal method. Boron oxide is only prepared by ball-milling. B2O3 used in glasses and also these glasses are utilized for radiation shielding as well as in dielectric applications.

Quick FACTS

Product	Boron Oxide Submicron Powder

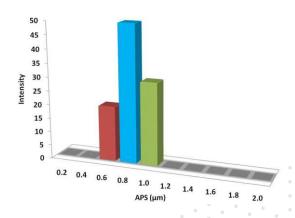
Stock No : NS6130-12-000790

CAS : 1303-86-2

Color : White

Form : Powder

Symbol : B_2O_3



ADDITIONAL POWDER CHARACTERISTICS

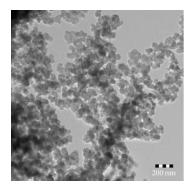
Stock No.	Purity	APS
NS6130-12-000790	99.9%	0.5-1µm

TECHNICAL SPECIFICATION

Molecular Formula	Molecular Weight	Density	Melting Point
B ₂ O ₃	69.62 g/mol	2.46 g/cm ³	510 °C

CHEMICAL COMPOSITION

0	Product	Weight Percent (nominal)		
•		B ₂ O ₃	Other Metal	
•	Boron Oxide Submicron Powder	99.9%	1000ppm	



APPLICATIONS

- > Glass
- > Optics
- > Boron compound synthesis
- > As an acid catalyst in organic synthesis







ISO 9001:2015 CERTIFIED COMPANY INTELLIGENT MATERIALS PVT LTD
Derabassi
Punjab (140507)

NANOSHEL UK LIMITED Chapel House, Chapel St Cheshire, CW12 4AB United Kingdom NANOSHELLC 3422 Old Capitol Suit 1305 Wilmington DE - 19808 United States

+91 9779 550077, 9779238252

+44 1782 454 144, +44 74 105 48802