



TECHNICAL DATASHEET

BISMUTH TRIOXIDE

BISMUTH TRIOXIDE POWDER (Bi₂O₃)

INTRODUCTION

Bismuth Oxide (Bi₂O₃) is an important compound of Bismuth, and we can provide α type and β type crystal structure. JAYTEE provides the best Bismuth Trioxide (Bi₂O₃) powder with a purity of 99.9%, 99.95%, and 99.99% at a competitive price. The particle size can be tailored according to specific requirements.

DATA SHEET

Particle Size: D50: 1-5 μ m, 5-10 μ m, 10-20 μ m, or customized.
Symbol: Bi ₂ O ₃
Molecular Weight: 465.96
Purity: 99.99%, 99.9%

PHYSICAL PROPERTIES

Molecular Formula:	Bi ₂ O ₃
CAS No.:	1304-76-3.
Purity:	99.9%, 99.95%, 99.99%
Molar mass:	465.96 g/mol.
Appearance:	yellow crystals or powder.
Density:	8.90 g/cm ³ , solid.
Melting point:	817 °C (1503 °F, 1090 K)
Boiling point:	1890 °C (3430 °F, 2160 K)
Solubility in water:	insoluble
Solubility:	soluble in acids
Crystal structure:	monoclinic, mP20

CHEMICAL COMPOSITION

Product	Bi ₂ O ₃	Purity	99.99%	
CHEMICAL COMPOSITION (%)				
Li	Na	K	Ca	Mg
0.0001	0.0001	0.0001	0.0006	0.0001
Pb	Cu	Ni	Ag	Sb
0.0005	0.0001	0.0001	0.0005	0.0002
Al	Cr	Cl		
0.0005	0.0001	0.0006		

APPLICATION

- Used for the preparation of bismuth salt
- Used as electronic ceramic powder material
- Used as electrolyte material
- Used as photoelectric material
- Used as high-temperature superconductivity material
- Used as catalyst

PACKING

Bismuth Trioxide (Bi₂O₃) Powder is carefully packaged in carton boxes with foam protection to minimize damage during storage and transportation and to preserve the quality of our products in their original condition. The vacuum packing is 1kg/bag, 25kg/barrel, or based on specific requirement.

Contact us for technical support - Mr. Pradeep Kumar (Technical Head), Contact No: +91 8979777000.

Address

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