

Technical Data Sheet

Bismuth Oxide Powder

Product ID: 830800PD001 - 830800PD005

Formular: Bi₂O₃

Molecular weight: 465.96 g/mol

CAS No.: 1304-76-3

EINECS No.: 215-134-7

Color: Yellow

Description: Our bismuth oxide powder typically has a purity of ≥99.99%, with higher purities and various particle sizes customizable upon request. It features excellent photoelectric properties, a high dielectric constant, and low impurity levels.

Application: High-end electronics, optics, and energy material applications.

Product

Image:



1. Sizes

Product ID	Formular	Size
830800PD001	Bi ₂ O ₃ (99.99%)	-325 Mesh
830800PD002	Bi ₂ O ₃ (99.99%)	D50< 10µm
830800PD003	Bi ₂ O ₃ (99.99%)	< 500 nm
830800PD004	Bi ₂ O ₃ (99.999%)	-325 Mesh
830800PD005	Bi ₂ O ₃ (99.999%)	D50< 10µm
830800PD4NDZ	Bi ₂ O ₃ (99.99%)	Customized
830800PD5NDZ	Bi ₂ O ₃ (99.999%)	Customized

2. Chemical compositions

Element Typical Value Purity	Chemical Compositions (ppm)					
	Cu	Pb	Fe	K	Na	Ca
99.99%	≤ 10	≤ 10	≤ 20	≤ 10	≤ 20	≤ 15
99.999%	≤ 2	≤ 1	≤ 2	≤ 1	≤ 2	≤ 1

Note: The purity values shown are calculated by subtracting the sum of selected measured elemental impurities from 100%. These values do not represent the result of a full elemental analysis.

3. Packaging

Bottled/Bag.

Double vacuum packed.

Customizable packaging is available upon request.

4. Period of Validity

It is recommended to use this product within 12 months. If it is overdue, the product quality status should be re-evaluated.

5. Handling and Storage

When using, wear protective equipment (e.g., mask, goggles, and gloves) and operate in a well-ventilated area to avoid inhalation of dust or direct skin contact.

Store in a tightly sealed container in a cool, dry place, away from acids and reducing agents.

Contact Us

Website: www.vimaterial.de

Email: info@vimaterial.de

Tel: 0049 1626484175

Add.: Begener Straße 14., 30625 Hannover, Niedersachsen, Germany.