

Technical Data Sheet**Boron Oxide Powder****Product ID:** 050800PD001**Formular:** B₂O₃**Molecular weight:** 69.61 g/mol**CAS No.:** 1303-86-2**EINECS No.:** 215-125-8**Color:** White**Description:** Our boron oxide powder has a typical purity of $\geq 99.9\%$ and can be customized in different particle sizes. It features high purity, low melting point, excellent glass-forming ability, and good chemical stability.**Application:** Glass, ceramics, optical materials, and electronic materials.**Product****Image:****1. Sizes**

Product ID	Formular	Size
050800PD001	B ₂ O ₃ (99%)	-200 Mesh
050800PDDZ	B ₂ O ₃ (99%)	Customized

2. Chemical compositions

Element Typical Value Purity	Chemical Compositions (wt%)				
	SiO ₂	Al ₂ O ₃	CaO	Fe ₂ O ₃	Na
99%	≤ 0.10	≤ 0.005	≤ 0.01	≤ 0.005	≤ 0.02

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 and operate in a well-ventilated area to avoid inhalation of dust or direct skin contact.

Store in a sealed container in a dry, cool, and well-ventilated place, away from moisture and strong acids or bases.

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