

## Technical Data Sheet

# Boron Powder

**Product ID:** 0500PD001 - 0500PD003

**Formular:** B

**Molecular weight:** 10.81 g/mol

**CAS No.:** 7440-42-8

**EINECS No.:** 231-151-2

**Color:** Brown or Black

**Description:** Our boron powder includes both amorphous boron powder and crystalline boron powder, with customizable purity and particle size according to requirements. It features good chemical stability and excellent thermal and electrical conductivity.

**Application:** Doping materials in the semiconductor industry, ceramic and refractory material manufacturing, chemical catalysts, and more.

**Product**

**Image:**



### 1. Sizes

Product ID	Formular	Size	Color
0500PD001	B (95%)	D50 < 5µm	Brown
0500PD002	B (99%)	-325 Mesh	Black
0500PD003	B (99.5%)	-325 Mesh	Black
0500PDDZ	B	Customized	Brown / Black

### 2. Chemical compositions

		Chemical Compositions (ppm)						
Element Typical Value Purity	Fe	Au	Ag	Ni	Sn	Mn	Ca	Pb
	95%	≤ 2000	≤ 100	≤ 100	≤ 300	≤ 100	≤ 1500	≤ 1500
99%	≤ 1500	≤ 50	≤ 50	≤ 150	≤ 50	≤ 1200	≤ 1000	≤ 50
99.5%	≤ 1000	≤ 10	≤ 10	≤ 50	≤ 10	≤ 800	≤ 550	≤ 10

*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 sealed container in a cool, dry place; avoid moisture and high temperatures.

### **Contact Us**

Website: [www.vimaterial.de](http://www.vimaterial.de)

Email: [info@vimaterial.de](mailto:info@vimaterial.de)

Tel: 0049 1626484175

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