HALBLEITER MATERIAL

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Technical Data Sheet

Bismuth Metal Powder

Product ID:	**8300PD001 - 8300PD008**		
Formular:	Bi	**Molecular weight:**	208.98 g/mol
CAS No.:	7440-69-9	**EINECS No.:**	231-177-4
Color:	Dark gray		
Description:	Our bismuth powder typically has a purity of ≥99.95% and is available in both nano and micron sizes options, offering comprehensive advantages including high purity, uniform particle size, high reactivity, good chemical stability, and environmentally friendly, non-toxic properties.		
Application:	Electronics and semiconductor industry, catalysts, thermoelectric materials, coatings, and lubricants, etc.		
Product Image:			

1. Sizes

Product ID	Formular	Size
8300PD001	Bi (99.95%)	<200 nm
8300PD002	Bi (99.99%)	-100 Mesh
8300PD003	Bi (99.99%)	-200 Mesh
8300PD004	Bi (99.99%)	-325 Mesh
8300PD005	Bi (99.995%)	-100 Mesh
8300PD006	Bi (99.995%)	-325 Mesh
8300PD007	Bi (99.995%)	-500 Mesh
8300PD008	Bi (99.999%)	-100 Mesh
8300PD3N5DZ	Bi (99.95%)	Customized
8300PD4NDZ	Bi (99.99%)	Customized
8300PD4N5DZ	Bi (99.995%)	Customized
8300PD5NDZ	Bi (99.999%)	Customized

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2. Chemical compositions

	Metal impurities (ppm)					
Element / Typical Value / Purity	Cu	Pb	Zn	Fe	Ag	As
99.95%	≤ 100	≤ 50	≤ 100	≤ 80	≤ 150	≤ 10
99.99%	≤ 10	≤ 10	≤ 5	≤ 10	≤ 40	≤ 5
99.995%	≤ 3	≤ 8	≤ 5	≤ 5	≤ 10	≤ 3
99.999%	≤ 0.5	≤ 0.5	≤ 0.5	≤ 5	≤ 0.5	≤ 0.5

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.
Customized according to customer requirements.

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 or contact with dust.

Store in a sealed container in a dry, cool, and well-ventilated environment to prevent moisture and oxidation.

Contact Us

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