

Technical Data Sheet

Cadmium Telluride Powder

Product ID: 485200PD001 - 485200PD004

Formular: CdTe

Molecular weight: 240.01 g/mol

CAS No.: 1306-25-8

EINECS No.: 215-149-9

Color: Black

Description: Our cadmium telluride powder has a typical purity of $\geq 99.99\%$ and can be customized in different particle sizes and higher purities as needed. It features excellent optoelectronic properties, high light absorption capability, and good chemical stability.

Application: Photovoltaic cells, infrared detectors, thin film materials, and the semiconductor industry, etc.

Product

Image:



1. Physical Properties

Product ID	Formular	Size
485200PD001	CdTe (99.99%)	-100 Mesh
485200PD002	CdTe (99.99%)	-325 Mesh
485200PD003	CdTe (99.999%)	-100 Mesh
485200PD004	CdTe (99.999%)	-325 Mesh
485200PD4NDZ	CdTe (99.99%)	Customized
485200PD5NDZ	CdTe (99.999%)	Customized

2. Chemical compositions

Element Typical Value Purity	Metal impurities (ppm)						
	Cu	Al	Zn	Bi	Si	Pb	Sn
99.99%	≤ 20	≤ 10	≤ 10	≤ 10	≤ 20	≤ 20	≤ 10
99.999%	≤ 2.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 2.0	≤ 2.0	≤ 1.0

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/bagged.

Double vacuum packed.

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 gloves, safety goggles, and appropriate respiratory protection to avoid dust inhalation or skin contact.

Stored in a dry, sealed container in a well-ventilated environment, avoiding moisture and contact with acidic or oxidizing substances.

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