

Technical Data Sheet

Dysprosium Oxide Powder

Product ID:	660800PD001 / 660800PD002		
Formular:	Dy ₂ O ₃	Molecular weight:	373 g/mol
CAS No.:	1308-87-8	EINECS No.:	215-164-0
Color:	White to light yellow		
Description:	Our dysprosium oxide powder has a purity of 99.99% Dy ₂ O ₃ /TREO and features high purity, excellent magnetic properties, superior thermal stability, and good chemical stability.		
Application:	High-performance permanent magnets, magnetic alloys, laser materials, etc.		

**Product
Image:**



1. Sizes

Product ID	Formular	Size
660800PD001	Dy ₂ O ₃ (99.95% Dy ₂ O ₃ /TREO)	/
660800PD002	Dy ₂ O ₃ (99.99% Dy ₂ O ₃ /TREO)	/

2. Chemical compositions

Chemical Compositions (ppm)				
Main Content		TREO ≥99%, Dy ₂ O ₃ /TREO ≥99.95%		
RE Impurities (ppm)				
La ₂ O ₃	Gd ₂ O ₃	Tb ₄ O ₇	Ho ₂ O ₃	Tm ₂ O ₃
≤ 50	≤ 20	≤ 50	≤ 50	≤ 50
Non-RE Impurities (ppm)				
CaO	Fe ₂ O ₃	SiO ₂		
≤ 50	≤ 100	≤ 150		

Main Content				
TREO ≥99%, Dy ₂ O ₃ /TREO ≥99.99%				
RE Impurities (ppm)				
La ₂ O ₃	Gd ₂ O ₃	Tb ₄ O ₇	Ho ₂ O ₃	Tm ₂ O ₃
≤ 10	≤ 10	≤ 20	≤ 20	≤ 10
Non-RE Impurities (ppm)				
CaO	Fe ₂ O ₃	SiO ₂		
≤ 50	≤ 50	≤ 100		

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 packaging.

Customizable packaging is available upon request.

4. Period of Validity

It is recommended to use this product within 12 months (stored under proper conditions). 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 or contact with dust.

Store in a sealed container in a cool, dry, and well-ventilated place, away from acidic or corrosive substances.

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