

Technical Data Sheet

Praseodymium(III,IV) oxide Powder

Product ID:	590801PD001	Molecular weight:	1021.44 g/mol
Formular:	Pr ₆ O ₁₁	EINECS No.:	234-857-9
CAS No.:	12037-29-5		
Color:	Black		
Description:	Our praseodymium(III,IV) oxide typically has a purity of 99.5% REO, featuring excellent catalytic activity and good optical and electrical properties.		
Application:	Electronic and magnetic materials, catalysts, ceramics and glass, metal smelting, etc.		

Product Image:



1. Sizes

Product ID	Formular	Size
590801PD001	Pr ₆ O ₁₁ (99.5% REO)	-325 Mesh
590801PDDZ	Pr ₆ O ₁₁ (99.5% REO)	Customized

2. Chemical compositions

	Chemical Compositions (wt%)						
	Fe ₂ O ₃	SiO ₂	CaO	Al ₂ O ₃	Cl ⁻	SO ₄ ²⁻	LOI
TREO ≥99%	≤ 0.01	≤ 0.05	≤ 0.05	≤ 0.05	≤ 0.03	≤ 0.05	≤ 0.1
Pr ₆ O ₁₁ /TREO ≥99.5%	La ₂ O ₃	CeO ₂	Nd ₂ O ₃	Sm ₂ O ₃	Gd ₂ O ₃	Eu ₂ O ₃	Y ₂ O ₃
	≤ 0.05	≤ 0.05	≤ 0.4	≤ 0.03	≤ 0.01	≤ 0.01	≤ 0.01

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.

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 or contact with dust.

Store in a sealed container in a cool, dry place to prevent moisture and contamination.

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