

Technical Data Sheet

Yttrium Oxide Granules / Pellets

Product ID:	390800GN001 - 390800GN002 / 390800PL001 - 390800PL002		
Formular:	Y ₂ O ₃	Molecular weight:	225.81 g/mol
CAS No.:	1314-36-9	EINECS No.:	215-233-5
Color:	White		
Description:	Our Yttrium Oxide is available in irregular granules and regular pellets, with customizable sizes to meet specific requirements. It features excellent optical transparency and outstanding chemical stability.		
Application:	Laser crystals, optical materials, precision ceramics, high-temperature coatings, and electronic and semiconductor materials.		

**Product
Image:**



1. Sizes

Product ID	Formula	Size
390800GN001	Y ₂ O ₃ (99.99% Y ₂ O ₃ /TREO)	1 - 3 mm
390800GN002	Y ₂ O ₃ (99.99% Y ₂ O ₃ /TREO)	3 - 6 mm
390800PL001	Y ₂ O ₃ (99.99% Y ₂ O ₃ /TREO)	Ø 10 mm x 6 mm
390800PL002	Y ₂ O ₃ (99.99% Y ₂ O ₃ /TREO)	Ø 18 mm x 5 mm
390800GNDZ	Y ₂ O ₃ (99.99% Y ₂ O ₃ /TREO)	Customized
390800PLDZ	Y ₂ O ₃ (99.99% Y ₂ O ₃ /TREO)	Customized

2. Chemical compositions

Chemical Compositions					
Main Content		TREO \geq 98.5%, Y ₂ O ₃ /TREO \geq 99.99%			
RE Impurities (ppm)					
La ₂ O ₃	CeO ₂	Nd ₂ O ₃	Sm ₂ O ₃	Pr ₆ O ₁₁	Eu ₂ O ₃
\leq 5	\leq 5	\leq 5	\leq 5	\leq 5	\leq 5
Non-RE Impurities (ppm)					
Fe ₂ O ₃	SiO ₂	CaO			
\leq 100	\leq 150	\leq 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 packed.

Customized packaging is available.

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 of dust.

Store in a tightly sealed container in a cool, dry, and well-ventilated place.

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