

## Technical Data Sheet

# Neodymium Oxide Granules

<b>Product ID:</b>	600800GN001 / 600800GN002		
<b>Formular:</b>	Nd <sub>2</sub> O <sub>3</sub>	<b>Molecular weight:</b>	336.48 g/mol
<b>CAS No.:</b>	1313-97-9	<b>EINECS No.:</b>	215-214-1
<b>Color:</b>	Light purple		
<b>Description:</b>	Our neodymium oxide granules have a purity of ≥99.5% REO and can be customized to higher purities and different particle sizes upon request, offering good magnetic and optical properties as well as excellent chemical stability.		
<b>Application:</b>	Permanent magnets, optical materials, electronic components, etc.		

### Product

### Image:



## 1. Sizes

Product ID	Formular	Size
600800GN001	Nd <sub>2</sub> O <sub>3</sub> (99.5% REO)	1 mm - 4 mm
600800GN002	Nd <sub>2</sub> O <sub>3</sub> (99.99% REO)	1 mm - 4 mm
600800GN2N5DZ	Nd <sub>2</sub> O <sub>3</sub> (99.5% REO)	Customized
600800GN4NDZ	Nd <sub>2</sub> O <sub>3</sub> (99.99% REO)	Customized

## 2. Chemical compositions

Chemical Compositions (ppm)				
Main Content		TREO ≥99%, Nd <sub>2</sub> O <sub>3</sub> /TREO ≥99.5%		
RE Impurities (ppm)				
La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>
≤ 500	≤ 200	≤ 400	≤ 200	≤ 200
Non-RE Impurities (ppm)				
CaO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	
≤ 300	≤ 200	≤ 300	≤ 200	

Main Content		TREO ≥99%, Nd <sub>2</sub> O <sub>3</sub> /TREO ≥99.99%		
RE Impurities (ppm)				
La <sub>2</sub> O <sub>3</sub>	CeO <sub>2</sub>	Pr <sub>6</sub> O <sub>11</sub>	Sm <sub>2</sub> O <sub>3</sub>	Y <sub>2</sub> O <sub>3</sub>
≤ 5	≤ 5	≤ 20	≤ 5	≤ 5
Non-RE Impurities (ppm)				
CaO	Fe <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	
≤ 100	≤ 50	≤ 50	≤ 50	

*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 tightly sealed containers in a cool, dry place, protected from moisture and reactive substances.

### Contact Us

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