

## NEODYMIUM OXIDE Nd2O3

### Properties

Grey to blue powder

### Application

- Decolourising glass and crystal, and colouring artificial and filtering glass
- Pigments for the ceramic industry
- High-temperature resistant enamels
- Constituent of ceramic materials or as a dopant
- High-power lasers
- Manufacture of ceramic capacitors
- Additive for the rubber industry



### Chemical analysis

	99,0 %	99,9 %	99,99 %
<b><u>Material base</u></b>			
TREO*	min. 99,0 %	min. 99,0 %	min. 99,0 %
L.O.I., 1000°C	max. 1,0 %	max. 1,0 %	max. 1,0 %
Fe <sub>2</sub> O <sub>3</sub>	< 150 ppm	< 80 ppm	< 10 ppm
CaO	< 500 ppm	< 200 ppm	< 25 ppm
SiO <sub>2</sub>	< 500 ppm	< 200 ppm	< 25 ppm
<b><u>TREO base</u></b>			
Nd <sub>2</sub> O <sub>3</sub>	min. 99,0 %	min. 99,9 %	min. 99,99 %
Total remaining RE-Oxides	max. 1,0 %	max. 0,1 %	max. 100 ppm

\*TREO = Total Rare Earth Oxide

### Physical parameter

PSD d50	(Microtrac)	typ. 1 – 12 µ
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### Packing

- Plastic boxes with 1, 5 or 10 kgs net
- Plastic or steeldrums with 25 kgs resp. 50 kgs net
- BigBags with 500 resp. 1.000 kgs net
- Other packing on request