

## GRADES DiO-99.95 | DiO-99.9 | DiO-99.5 | DiO-99.0

- Rare earth metal compounds are used to manufacture optic and stained glass, ceramics, condensers, fluorescent dyes, REM metals and salts, as well as for research in multiple fields of science and mechanics and for export.



	DiO-99.95	DiO-99.9	DiO-99.5	DiO-99.0
Mass fraction of neodymium oxide (Nd <sub>2</sub> O <sub>3</sub> ) and praseodymium oxide (Pr <sub>2</sub> O <sub>3</sub> ) (didymium oxide) in total REM oxides, %, min	99.95	99.9	99.5	99.0
Mass fraction of neodymium oxide (Nd <sub>2</sub> O <sub>3</sub> ) in total REM oxides, %, min	75	75	75	75
Mass fraction of praseodymium oxide (Pr <sub>2</sub> O <sub>3</sub> ) in total REM oxides, %, max	25	25	25	25
<b>IMPURITIES:</b>				
Mass fraction of lanthanum, praseodymium, cerium, samarium and yttrium oxides in total rem oxides, %, max	0.05	0.1	0.5	1,0
Mass fraction of non-REM trace elements in total REM oxides, %, max, including:				
– calcium in terms of CaO	1*10 <sup>-2</sup>	2*10 <sup>-2</sup>	2*10 <sup>-2</sup>	5*10 <sup>-2</sup>
– iron in terms of Fe <sub>2</sub> O <sub>3</sub>	5*10 <sup>-3</sup>	5*10 <sup>-3</sup>	5*10 <sup>-2</sup>	5*10 <sup>-2</sup>
– copper in terms of CuO	5*10 <sup>-3</sup>	5*10 <sup>-3</sup>	1*10 <sup>-2</sup>	1*10 <sup>-2</sup>
Loss on ignition, %, max	3	4	4	4

### ●●● PACKAGING, TRANSPORTATION AND STORAGE

- Shipped in packages, bags, big bags, PE or other plastic containers, and PE, plastic or glass jars.
- Transported by any means of transportation in covered vehicles in accordance with applicable cargo transportation rules.
- Stored packed in supplier's (consumer's) covered, dry, ventilated warehouses at temperatures above 10°C and relative humidity below 70%, separately from other substances and materials.  
There are no radiation limits for storing REM compounds.

### ●●● MANUFACTURED BY

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