



## Product Specification

### NEODYMIUM (III) OXIDE

PRODUCT CODE	RE2100
SYNONYMS	--
C.I. NO.	--
CASR NO.	(1313-97-9)
ATOMIC OR MOLECULAR FORMULA	Nd <sub>2</sub> O <sub>3</sub>
ATOMIC OR MOLECULAR WEIGHT	336.48
PROPERTIES	Slightly hygroscopic.



PARAMETER	LIMIT
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Description	Light blue-coloured powder.
Solubility	Insoluble in water moderately soluble in strong mineral acids.
Minimum assay (Trace metal basis)	99.99%

#### MAXIMUM LIMIT OF IMPURITIES

##### Rare Earth Impurities

Lanthanum (La <sub>2</sub> O <sub>3</sub> )	0.005%
Cerium (CeO <sub>2</sub> )	0.0005%
Praseodymium (Pr <sub>6</sub> O <sub>11</sub> )	0.005%
Samarium (Sm <sub>2</sub> O <sub>3</sub> )	0.0003%
Europium (Eu <sub>2</sub> O <sub>3</sub> )	0.0003%
Yttrium (Y <sub>2</sub> O <sub>3</sub> )	0.0003%

##### Non-Rare Earth Impurities

Ferric (Fe <sub>2</sub> O <sub>3</sub> )	0.001%
Silicon di oxide (SiO <sub>2</sub> )	0.003%
Calcium (CaO)	0.005%
Copper (CuO)	0.0002%
Lead (PbO)	0.0005%
Nickel (NiO)	0.0005%
Chloride (Cl)	0.005%

Note(s) : Assay (if applicable) method mentioned.

#### DANGER

Hazard statements: --

Precautionary statements

Prevention--

Response: --

Disposal: --

IMDG Code : --

4UN No. :--

IATA :--

Hazard Pictogram(s) :-