

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

| | |
|--------------------------|--------------------------------------------------------------------|
| Catalogue Number | 37444 |
| Lot Number | 003195-20191112 |
| Product | Neodymium(III) chloride, anhydrous Neodymium trichloride |
| CAS Number | 10024-93-8 |
| Molecular Formula | NdCl ₃ |
| Molecular Weight | 250.60 |

| | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance | Pinkish white solid |
| Solubility | Clear solution (Water, pH : 5-6) Clear solution (HNO ₃ , H ⁺ : 2N) |
| Water Content (Karl Fisher) | < 1% |
| Insoluble | < 0.010% (Water) |
| Purity | > 99.9% (Nd ₂ O ₃ /TREO) > 66.57% (TREO) |
| Storage | Store at RT |
| Additional Information | Rare earth Impurities Content : La ₂ O ₃ : 0.0023%, CeO ₂ : 0.02%, Pr ₆ O ₁₁ : 0.013%, Sm ₂ O ₃ : < 0.0010%, Eu ₂ O ₃ : < 0.0010%, Gd ₂ O ₃ : < 0.0010%, Tb ₄ O ₇ : < 0.0010%, Dy ₂ O ₃ : < 0.0010%, Ho ₂ O ₃ : < 0.0010%, Er ₂ O ₃ : < 0.0010%, Tm ₂ O ₃ : < 0.0010%, Yb ₂ O ₃ : < 0.0010%, Lu ₂ O ₃ : < 0.0010%, Y ₂ O ₃ : < 0.0010% Non-RE Impurities Content : Fe ₂ O ₃ : 0.0022%, SiO ₂ : < 0.010%, CaO : < 0.0050%, NiO : < 0.0050%, CuO : < 0.0050%, MgO : < 0.0050%, Al ₂ O ₃ : < 0.0050% |

Certificate of Analysis

Catalog Number: 37444

Lot Number: 003195-20191112

Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager