

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

Product Specifications

NdCl₃

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

Appearance	White to off-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%

For Laboratory Use Only