

# *Chem-Impex International, Inc.*

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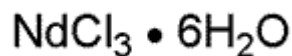
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



<b>Catalogue Number</b>	35693
<b>Product</b>	<b>Neodymium(III) chloride hexahydrate</b> Neodymium trichloride hexahydrate
<b>CAS Number</b>	13477-89-9
<b>Molecular Formula</b>	NdCl <sub>3</sub> •6H <sub>2</sub> O
<b>Molecular Weight</b>	358.69

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**Appearance** Pink crystalline powder

**Melting Point** 123 - 125 °C

**Density** 4.130

**Anion** Si : ≤ 10 ppm

**Purity** ≥ 99% (Metal basis)

**Storage** Store at RT

**Additional Information** Content of Nd<sub>2</sub>O<sub>3</sub> is ≤ 45%

Cation : Na+K : ≤ 20 ppm, Mg : ≤ 5 ppm, Al : ≤ 5 ppm, Ca : ≤ 20 ppm, Sc : ≤ 1 ppm, Ti : ≤ 1 ppm, V : ≤ 1 ppm, Cr : ≤ 5 ppm, Mn : ≤ 2 ppm, Fe : ≤ 10 ppm, Ni : ≤ 2 ppm, Cu : ≤ 5 ppm, Zn : ≤ 3 ppm, Y : ≤ 10 ppm, La : ≤ 50 ppm, Ce : ≤ 50 ppm, Pr : ≤ 200 ppm, Sm : ≤ 20 ppm, Eu : ≤ 50 ppm, Gd : ≤ 50 ppm, Tb : ≤ 50 ppm, Dy : ≤ 50 ppm, Ho : ≤ 50 ppm, Er : ≤ 50 ppm, Tm : ≤ 50 ppm, Yb : ≤ 50 ppm, Lu : ≤ 50 ppm, Pb : ≤ 0.2 ppm, Bi : ≤ 0.2 ppm, Th : ≤ 0.2 ppm, U : ≤ 0.2 ppm

**For Laboratory Use Only**