

# *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*



<b>Catalogue Number</b>	37357
<b>Product</b>	<b>Cerium(III) chloride</b> Cerium trichloride Cerous chloride
<b>CAS Number</b>	7790-86-5
<b>Molecular Formula</b>	CeCl <sub>3</sub>
<b>Molecular Weight</b>	246.48
<hr/>	
<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear solution in water & nitric acid
<b>Water Content (Karl Fisher)</b>	≤ 0.8%
<b>Related Substances</b>	Impurity rare earth oxide : La <sub>2</sub> O <sub>3</sub> : ≤ 0.0020%, Pr <sub>6</sub> O <sub>11</sub> , Y <sub>2</sub> O <sub>3</sub> : ≤ 0.0010% , Nd <sub>2</sub> O <sub>3</sub> , Sm <sub>2</sub> O <sub>3</sub> , Eu <sub>2</sub> O <sub>3</sub> , Gd <sub>2</sub> O <sub>3</sub> , Tb <sub>4</sub> O <sub>7</sub> , Dy <sub>2</sub> O <sub>3</sub> , Ho <sub>2</sub> O <sub>3</sub> , Er <sub>2</sub> O <sub>3</sub> , Tm <sub>2</sub> O <sub>3</sub> , Yb <sub>2</sub> O <sub>3</sub> , Lu <sub>2</sub> O <sub>3</sub> : ≤ 0.0005% Non-RE Impurities : Fe <sub>2</sub> O <sub>3</sub> : ≤ 0.0019%, SiO <sub>2</sub> : ≤ 0.0035%, CaO : ≤ 0.0018%
<b>Purity</b>	≥ 99.99% (Trace metals basis)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Total rare earth oxide : ≥ 69% CeO <sub>2</sub> : ≥ 99% of total rare earth oxide

**For Laboratory Use Only**