

# *Chem-Impex International, Inc.*

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**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

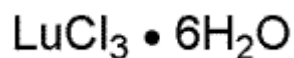
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



**Catalogue Number** 35653

**Product** **Lutetium(III) chloride hexahydrate**

Lutetium trichloride hexahydrate

**CAS Number** 15230-79-2

**Molecular Formula** LuCl<sub>3</sub>•6H<sub>2</sub>O

**Molecular Weight** 389.42

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**Appearance** White crystalline powder

**Anion** Si : ≤ 10 ppm

**Purity** ≥ 99% (Metals basis)

**Storage** Store at RT

**Additional Information** Na+K : ≤ 5 ppm, Mg : ≤ 1 ppm, Al : ≤ 3 ppm, Ca : ≤ 20 ppm, Sc : ≤ 1 ppm, Ti : ≤ 1 ppm, V : ≤ 1 ppm, Cr : ≤ 1 ppm, Mn : ≤ 5 ppm, Fe : ≤ 5 ppm, Ni : ≤ 3 ppm, Cu : ≤ 1 ppm, Zn : ≤ 1 ppm, Y : ≤ 10 ppm, La : ≤ 100 ppm, Ce : ≤ 10 ppm, Pr : ≤ 10 ppm, Nd : ≤ 10 ppm, Sm : ≤ 10 ppm, Eu : ≤ 10 ppm, Gd : ≤ 100 ppm, Tb : ≤ 3 ppm, Dy : ≤ 1 ppm, Ho : ≤ 3 ppm, Er : ≤ 2 ppm, Tm : ≤ 2 ppm, Yb : ≤ 30 ppm, Pb : ≤ 1 ppm, Bi : ≤ 1 ppm, Th : ≤ 1 ppm, U : ≤ 1 ppm  
Lu<sub>2</sub>O<sub>3</sub> : ≥ 49%

**For Laboratory Use Only**