

# 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

<b>Catalogue Number</b>	24626
<b>Lot Number</b>	002304-1604109
<b>Product</b>	<b>Lanthanum(III) fluoride</b>

<b>CAS Number</b>	13709-38-1
-------------------	------------

<b>Molecular Formula</b>	LaF <sub>3</sub>
--------------------------	------------------

<b>Molecular Weight</b>	195.9
-------------------------	-------

---

<b>Appearance</b>	White crystalline powder
-------------------	--------------------------

<b>Anion</b>	Fluoride (F <sup>-</sup> ): 27.69%
--------------	------------------------------------

<b>Cation</b>	Cerium (Ce as CeO <sub>2</sub> ): 50 ppm Praseodymium (Pr as Pr <sub>6</sub> O <sub>11</sub> ): 5 ppm Neodymium (Nd as Nd <sub>2</sub> O <sub>3</sub> ): 16 ppm Samarium (Sm as Sm <sub>2</sub> O <sub>3</sub> ): 5 ppm Yttrium (Y as Y <sub>2</sub> O <sub>3</sub> ): 4 ppm Iron (Fe as Fe <sub>2</sub> O <sub>3</sub> ): 0.016% Calcium (as CaO): 0.008%
---------------	--

<b>Assay</b>	99.993% (as La <sub>2</sub> O <sub>3</sub> )
--------------	--

<b>Storage</b>	Store at RT
----------------	-------------

<b>Additional Information</b>	Rare earth oxide: 82.4%
-------------------------------	-------------------------

<b>Remarks</b>	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**