

# 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>	47265
<b>Lot Number</b>	003344-8311-090722
<b>Product</b>	<b>Ytterbium Oxide powder (3~5 micron)</b>
<b>CAS Number</b>	1314-37-0
<b>Molecular Formula</b>	Yb <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	394.11

---

<b>Appearance</b>	White powder
<b>Mesh Size</b>	APS 5 micron
<b>Related Substances</b>	Rare earth contents : EuO <sub>3</sub> : 95 ppm, Nd <sub>2</sub> O <sub>3</sub> : 96 ppm, Lu <sub>2</sub> O <sub>3</sub> : 44 ppm, Pr <sub>2</sub> O <sub>3</sub> : 35 ppm, La <sub>2</sub> O <sub>3</sub> : 17 ppm Non-rare earth contents : Fe <sub>2</sub> O <sub>3</sub> : 28 ppm, SiO <sub>2</sub> : 150 ppm, CaO : 100 ppm, Cl : 100 ppm
<b>Purity</b>	> 99.93% (Rare earth oxide)
<b>Storage</b>	Store at RT
<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**