

# 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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## Certificate of Analysis

<b>Catalogue Number</b>	35907
<b>Lot Number</b>	003131-12115
<b>Product</b>	<b>Terbium(III) nitrate hexahydrate</b> Terbium trinitrate hexahydrate
<b>CAS Number</b>	13451-19-9
<b>Molecular Formula</b>	Tb(NO <sub>3</sub> ) <sub>3</sub> •6H <sub>2</sub> O
<b>Molecular Weight</b>	453.03

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<b>Appearance</b>	White crystalline powder
<b>Anion</b>	Si : 10 ppm
<b>Purity</b>	99.9% (REO)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Content of Tb <sub>4</sub> O <sub>7</sub> : 41.41% Cation - Na+K : < 10 ppm, Mg : < 1 ppm, Al : < 1 ppm, Ca : 5 ppm, Ti : < 2 ppm, Sc : 8 ppm, Cr : < 1 ppm, Mn : < 1 ppm, Fe : 8 ppm, Ni : < 1 ppm, Cu : < 1 ppm, Zn : < 1 ppm, Y : < 10 ppm, La : < 10 ppm, Ce : < 100 ppm, Pr : < 10 ppm, Nd : < 10 ppm, Sm : < 50 ppm, Eu : < 10 ppm, Gd : < 50 ppm, Dy : < 50 ppm, Ho : < 50 ppm, Er : < 50 ppm, Tm : < 50 ppm, Yb : < 10 ppm, Lu : < 10 ppm, Hg : < 1 ppm, Pb : < 0.2 ppm, Bi : < 0.2 ppm, Th : < 0.2 ppm, U : < 0.2 ppm

<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager