

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	35903
<b>Lot Number</b>	003131-12114
<b>Product</b>	<b>Terbium(III) chloride hexahydrate</b> Terbium trichloride hexahydrate
<b>CAS Number</b>	13798-24-8
<b>Molecular Formula</b>	TbCl <sub>3</sub> •6H <sub>2</sub> O
<b>Molecular Weight</b>	373.38


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<b>Appearance</b>	White crystalline powder
<b>Anion</b>	Si : < 5 ppm
<b>Purity</b>	99.99% (Metal basis)
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Content of Tb <sub>4</sub> O <sub>7</sub> : 49.5%

Cation : Na+K : < 3 ppm, Mg : < 1 ppm, Al : < 1 ppm, Ca : < 2 ppm,  
Cr : < 1 ppm, Mn : < 1 ppm, Fe : 5 ppm, Co : < 1 ppm, Ni : < 1 ppm,  
Cu : < 1 ppm, Zn : < 1 ppm, Y : 10 ppm, La : < 1 ppm, Ce : < 1 ppm,  
Pr : < 1 ppm, Nd : < 1 ppm, Sm : 5 ppm, Eu : < 1 ppm, Gd : 2 ppm, Dy :  
8 ppm, Ho : 3 ppm, Er : 3 ppm, Tm : < 1 ppm, Yb : < 1 ppm, Lu : < 1  
ppm, Pb : < 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