

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	35807
<b>Lot Number</b>	003131-12108
<b>Product</b>	<b>Samarium(III) sulfate octahydrate</b> Samarium trisulfate octahydrate
<b>CAS Number</b>	13465-58-2
<b>Molecular Formula</b>	Sm <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> •8H <sub>2</sub> O
<b>Molecular Weight</b>	733.03

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**Appearance** Light yellow crystalline powder

**Anion** Si : < 20 ppm

**Purity** 99.9% (REO)

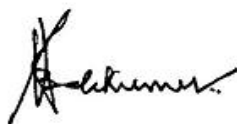
**Storage** Store at RT

**Additional Information** Content of Sm<sub>2</sub>O<sub>3</sub> : 79.96%  
Cation : Na+K : < 10 ppm, Mg : 5 ppm, Al : < 10 ppm, Ca : < 20 ppm,  
Sc : < 1 ppm, Ti : 1 ppm, V : < 1 ppm, Cr : < 1 ppm, Mn : 3 ppm, Fe :  
10 ppm, Ni : < 1 ppm, Cu : < 1 ppm, Zn : < 1 ppm, Y : < 10 ppm, La :  
< 10 ppm, Ce : < 10 ppm, Pr : < 10 ppm, Nd : < 50 ppm, Eu : < 50 ppm,  
Gd : < 100 ppm, Tb : < 50 ppm, Dy : < 50 ppm, Ho : < 10 ppm, Er :  
< 50 ppm, Tm : < 5 ppm, Yb : < 5 ppm, Lu : < 5 ppm, Pb : < 2 ppm,  
Bi : < 1 ppm, Th : < 0.2 ppm, U : < 0.2 ppm

**Remarks** 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