

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	35811
<b>Lot Number</b>	003131-12112
<b>Product</b>	<b>Scandium(III) nitrate hydrate</b> Scandium trinitrate hydrate
<b>CAS Number</b>	107552-14-7
<b>Molecular Formula</b>	Sc(NO <sub>3</sub> ) <sub>3</sub> •xH <sub>2</sub> O
<b>Molecular Weight</b>	230.97 (anhydrous basis)

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**Appearance** White crystalline powder

**Anion** Si : < 30 ppm

**Purity** 99.99% (Metal basis)

**Storage** Store at RT

**Additional Information** Content of Sc<sub>2</sub>O<sub>3</sub> : 22.8%

Cation - Na+K : < 5 ppm, Mg : < 2 ppm, Al : < 2 ppm, Ca : < 10 ppm,  
Ti : 2 ppm, V : < 1 ppm, Cr : < 1 ppm, Mn : < 1 ppm, Fe : < 10 ppm,  
Co : < 1 ppm, Ni : < 5 ppm, Zn : < 2 ppm, Y : < 2 ppm, La : < 1 ppm,  
Ce : < 1 ppm, Pr : < 1 ppm, Nd : < 1 ppm, Sm : < 1 ppm, Eu : < 1 ppm,  
Gd : < 1 ppm, Tb : < 1 ppm, Dy : < 1 ppm, Ho : < 1 ppm, Er : < 1 ppm,  
Tm : < 1 ppm, Yb : < 1 ppm, Lu : < 1 ppm, Pb : < 2 ppm, Bi : < 1 ppm,  
Th : < 1 ppm, U : < 0.4 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