

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	35527
<b>Lot Number</b>	003131-12088
<b>Product</b>	<b>Dysprosium(III) nitrate pentahydrate</b> Dysprosium trinitrate hydrate
<b>CAS Number</b>	10031-49-9
<b>Molecular Formula</b>	Dy(NO <sub>3</sub> ) <sub>3</sub> •5H <sub>2</sub> O
<b>Molecular Weight</b>	438.59

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**Appearance** Light yellow crystalline powder

**Anion** Si : 5 ppm

**Purity** 99.9% (REO)

**Storage** Store at RT

**Additional Information** Content of Dy<sub>2</sub>O<sub>3</sub> is 42.2%

Cation : Na+K : < 10 ppm, Mg : < 3 ppm, Al : < 5 ppm, Ca : 8 ppm,  
Sc : < 1 ppm, Ti : < 1 ppm, V : < 1 ppm, Cr : < 2 ppm, Mn : < 1 ppm,  
Fe : < 10 ppm, Ni : < 1 ppm, Cu : 3 ppm, Zn : < 3 ppm, Y : < 50 ppm,  
La : < 50 ppm, Ce : < 10 ppm, Pr : < 10 ppm, Nd : < 50 ppm, Sm : < 50  
ppm, Eu : < 10 ppm, Gd : < 10 ppm, Tb : < 10 ppm, Ho : < 50 ppm, Er :  
< 50 ppm, Tm : < 5 ppm, Yb : < 10 ppm, Lu : < 5 ppm, Pb : < 1 ppm,  
Bi : < 1 ppm, Th : < 1 ppm, U : < 1 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