

# *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

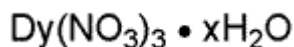
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*



<b>Catalogue Number</b>	35527
<b>Product</b>	<b>Dysprosium(III) nitrate pentahydrate</b> Dysprosium trinitrate hydrate
<b>CAS Number</b>	10031-49-9
<b>Molecular Formula</b>	$\text{Dy}(\text{NO}_3)_3 \cdot 5\text{H}_2\text{O}$
<b>Molecular Weight</b>	438.59

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**Appearance** Light yellow crystalline powder

**Anion** Si :  $\leq 5$  ppm

**Purity**  $\geq 99\%$  (REO)

**Storage** Store at RT

**Additional Information** Content of  $\text{Dy}_2\text{O}_3 \leq 43\%$

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

**For Laboratory Use Only**