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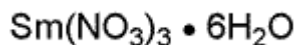
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	35805
Product	Samarium(III) nitrate hexahydrate Samarium trinitrate hexahydrate Trinitric acid samarium(III)-6hydrate
CAS Number	13759-83-6
Molecular Formula	$\text{Sm}(\text{NO}_3)_3 \cdot 6\text{H}_2\text{O}$
Molecular Weight	444.47

Appearance Light yellow crystalline powder

Anion Si : ≤ 8 ppm

Purity $\geq 99\%$ (REO)

Storage Store at RT

Additional Information Content of Sm_2O_3 : $\leq 40\%$

Cation : Na : ≤ 5 ppm, Mg : ≤ 8 ppm, Al : ≤ 5 ppm, Ca : ≤ 20 ppm,
Sc : ≤ 1 ppm, Ti : ≤ 1 ppm, V : ≤ 1 ppm, Cr : ≤ 1 ppm, Mn : ≤ 1 ppm,
Fe : ≤ 8 , Ni : ≤ 1 ppm, Cu : ≤ 1 ppm, Zn : ≤ 1 ppm, Y : ≤ 4 ppm, La :
 ≤ 5 ppm, Ce : ≤ 10 ppm, Pr : ≤ 10 ppm, Nd : ≤ 20 ppm, Eu : ≤ 20
ppm, Gd : ≤ 100 ppm, Tb : ≤ 10 ppm, Dy : ≤ 10 ppm, Ho : ≤ 10 ppm,
Er : ≤ 50 ppm, Tm : ≤ 10 ppm, Yb : ≤ 10 ppm, Lu : ≤ 1 ppm, Pb : ≤ 1
ppm, Bi : ≤ 1 ppm, Th : ≤ 1 ppm, U : ≤ 1 ppm

For Laboratory Use Only