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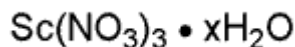
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	35812
Product	Scandium(III) nitrate hydrate Scandium trinitrate hydrate
CAS Number	107552-14-7
Molecular Formula	$\text{Sc}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$
Molecular Weight	230.97 (anhydrous basis)

Warnings	<i>Hygroscopic!</i>
Appearance	White crystalline powder
Anion	Si : ≤ 30 ppm
Purity	$\geq 99\%$ (Metal basis)
Storage	Store at RT

Additional Information	Content of Sc_2O_3 : $\leq 23\%$ Cation - Na+K : ≤ 10 ppm, Mg : ≤ 2 ppm, Al : ≤ 2 ppm, Ca : ≤ 30 ppm, Ti : ≤ 2 ppm, V : ≤ 1 ppm, Cr : ≤ 1 ppm, Mn : ≤ 2 ppm, Fe : ≤ 8 ppm, Co : ≤ 1 ppm, Ni : ≤ 5 ppm, Zn : ≤ 2 ppm, Y : ≤ 50 ppm, La : ≤ 50 ppm, Ce : ≤ 50 ppm, Pr : ≤ 10 ppm, Nd : ≤ 50 ppm, Sm : ≤ 5 ppm, Eu : ≤ 5 ppm, Gd : ≤ 50 ppm, Tb : ≤ 5 ppm, Dy : ≤ 50 ppm, Ho : ≤ 10 ppm, Er : ≤ 10 ppm, Tm : ≤ 10 ppm, Yb : ≤ 10 ppm, Lu : ≤ 10 ppm, Pb : ≤ 2 ppm, Bi : ≤ 1 ppm, Th : ≤ 1 ppm, U : ≤ 0.4 ppm
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For Laboratory Use Only