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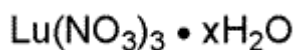
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



Catalogue Number	35657
Product	Lutetium(III) nitrate hydrate Lutetium trinitrate hydrate
CAS Number	10099-67-9, 100641-16-5
Molecular Formula	$\text{Lu}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$
Molecular Weight	360.98 (anhydrous basis)

Appearance White crystalline powder

Anion Si : ≤ 20 ppm

Purity $\geq 99\%$ (Metal basis)

Storage Store at RT

Additional Information Content of Lu_2O_3 is $\leq 47\%$

Cation - Na+K : ≤ 5 ppm, Mg : ≤ 5 ppm, Al : ≤ 3 ppm, Ca : ≤ 20 ppm,
Sc : ≤ 1 ppm, Ti : ≤ 1 ppm, V : ≤ 1 ppm, Cr : ≤ 1 ppm, Mn : ≤ 3 ppm,
Fe : ≤ 10 ppm, Ni : ≤ 8 ppm, Cu : ≤ 3 ppm, Zn : ≤ 1 ppm, Y : ≤ 1 ppm,
La : ≤ 50 ppm, Ce : ≤ 50 ppm, Pr : ≤ 10 ppm, Nd : ≤ 10 ppm, Sm : \leq
10 ppm, Eu : ≤ 10 ppm, Gd : ≤ 100 ppm, Tb : ≤ 50 ppm, Dy : ≤ 10
ppm, Ho : ≤ 10 ppm, Er : ≤ 10 ppm, Tm : ≤ 10 ppm, Yb : ≤ 50 ppm,
Pb : ≤ 2 ppm, Bi : ≤ 1 ppm, Th : ≤ 1 ppm, U : ≤ 1 ppm

For Laboratory Use Only