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Certificate of Analysis

Catalogue Number	35534
Lot Number	003532-231021
Product	Europium(III) nitrate hydrate Europium trinitrate hydrate
CAS Number	100587-95-9
Molecular Formula	$\text{Eu}(\text{NO}_3)_3 \cdot x\text{H}_2\text{O}$
Molecular Weight	337.98 (anhydrous basis)

Appearance	White to off-white crystalline powder
Related Substances	Non-rare Earth Impurities : Fe_2O_3 : 0.001%, SiO_2 : 0.002%, CaO : 0.002%, SO_4^{2-} : 0.005%
Purity	> 99.99% (Er_2O_3 / TREO) > 39.20% (TREO)
Storage	Store at RT
Additional Information	Rare Earth Impurities : La_2O_3 , CeO_2 , Nd_2O_3 , Tb_4O_7 , Dy_2O_3 , Ho_2O_3 , Er_2O_3 , Tm_2O_3 , Yb_2O_3 , Y_2O_3 , Lu_2O_3 : < 0.0005% Pr_6O_{11} : < 0.0006%, Sm_2O_3 : < 0.0008%, Gd_2O_3 : < 0.0008%
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