

Certificate of Analysis

Compound Information

Product Name:	Erbium chloride hydrate, 99.997% 25GR
Cat. No.:	1440857
CAS No.:	19423-85-9
Molecular Formula:	$\text{Cl}_3\text{Er}\cdot x\text{H}_2\text{O}$
Chemical Structure:	



Batch Information

Batch No.:	Lf0125120683
Storage:	Store at room temperature, keep dry and cool
Test Date:	2022-01-27
Retest Date:	2025-01-26
Origin:	Shanghai, China

QC Summary

	Specification	Result
Appearance:	Light yellow to orange (Solid)	Orange (Solid)
Assay, $\omega/\%$:	≥ 99.99	99.99
Total Oxide, $\omega/\%$:	≥ 50	qualified
Cerium Dioxide (CeO_2), $\omega/\%$:	≤ 0.002	qualified
Yttrium Oxide (Y_2O_3), $\omega/\%$:	≤ 0.002	qualified
Praseodymium Oxide (Pr_6O_{11}), $\omega/\%$:	≤ 0.001	qualified
Neodymium Oxide (Nd_2O_3), $\omega/\%$:	≤ 0.001	qualified
Samarium Oxide (Sm_2O_3), $\omega/\%$:	≤ 0.002	qualified
Iron Oxide (Fe_2O_3), $\omega/\%$:	≤ 0.0005	qualified
Sulfate (SO_4), $\omega/\%$:	≤ 0.008	qualified
Silica (SiO_2), $\omega/\%$:	≤ 0.002	qualified
Calcium Oxide (CaO), $\omega/\%$:	≤ 0.003	qualified
Lead Oxide (PbO), $\omega/\%$:	≤ 0.002	qualified
Water Dissolution Test:	Qualified	Qualified
Conclusion:	The product has been tested and complies with the given specifications.	

Caution: Research use only and are not intended for human use.

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