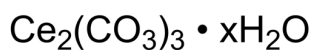


Certificate of Analysis

Compound Information

Product Name:	Cerium(III) carbonate hydrate
Cat. No.:	1182583
CAS No.:	54451-25-1
Molecular Formula:	$C_3Ce_2O_9 \cdot xH_2O$
Molecular Weight:	460.26 (anhydrous basis)
Chemical Structure:	



Batch Information

Batch No.:	Lg0718281664
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2023-07-18
Retest Date:	2026-07-17
Origin:	Shanghai, China

QC Summary

QC Summary	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
Purity, ω/%:	≥99.95	99.99
Calcium Oxide(CaO), ω/%:	≤0.005	qualified
Lead Oxide(PbO), ω/%:	≤0.002	qualified
Chloride(Cl), ω/%:	≤0.03	qualified
Silica(SiO ₂), ω/%:	≤0.002	qualified
Sodium Oxide(Na ₂ O), ω/%:	≤0.005	qualified
Iron Oxide(Fe ₂ O ₃), ω/%:	≤0.001	qualified
Sulfate(SO ₄), ω/%:	≤0.01	qualified
Lanthanum Trioxide (La ₂ O ₃), ω/%:	≤0.005	qualified
Yttrium Oxide (Y ₂ O ₃), ω/%:	≤0.001	qualified
Praseodymium Oxide(Pr ₆ O ₁₁), ω/%:	≤0.005	qualified
Neodymium Oxide (Nd ₂ O ₃), ω/%:	≤0.002	qualified
Samarium Oxide (Sm ₂ O ₃), ω/%:	≤0.001	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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