

Avocado Research Chemicals (Thermo Fisher Scientific) Shore Road, Port of Heysham Industrial Park Heysham, LA3 2XY, United Kingdom

## **CERTIFICATE OF ANALYSIS**

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number	011330		
Lot Number	10255277		
Description	Cerium(III) nitrate hexahydrate, REacton®, 99.99% (REO) 10294-41-4 28/May/2025 28/May/2030		
CAS Number			
Quality Test/Release Date			
Suggested retest date			
Country of Origin	China Synthetic		
Declaration of Origin			
Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	≥99.99% (CeO2/TREO basis)	99.99
		(non-U.S. specification).	
Appearance (Color)		White to pale cream or colorless	Colourless
Form		Crystalline aggregates, crystals or	Crystals
		crystalline powder	
Impurity content	ppm	Calcium oxide (CaO): ≤25 ppm	21
		(non-U.S. specification)	
Impurity content	ppm	Iron (III) oxide (Fe2O3): =25 ppm	2
		(non-U.S.	
Impurity content	mag	Lanthanum oxide (La2O3): =100	30
Sulfata contant	222	ppm Sulfata (SOA): =100 ppm	50
Sulfate content	ppm	Sulfate (SO4): =100 ppm	50

Paul Coleman Site Quality Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.