

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by TUV SUD America Inc.  
Certificate Number. 951001163

Catalogue Number	033295
Lot Number	S09L014
Description	Calcium carbonate, ACS, 99.0% min
CAS Number	471-34-1
Quality Test/Release Date	09/Jun/2025
Suggested retest date	09/Jun/2030
Country of Origin	India

Result Name	Units	Specifications	Test Value
Assay (unspecified)	%	99.0% CaCO <sub>3</sub> min	100.10
Heavy Metals	ppm	(ICP-OES) 0.001%	<10
Impurity content	ppm	Sr 0.1%	<1000
Impurity content	ppm	SO <sub>4</sub> 0.01%	<100
Impurity content	ppm	Na 0.1%	<1000
Impurity content	ppm	NH <sub>4</sub> 0.003%	<30
Impurity content	ppm	Mg 0.02%	<200
Impurity content	ppm	K 0.01%	<100
Impurity content	%	Insoluble in dilute hydrochloric acid 0.01%	0.006
Impurity content	ppm	Fe 0.003%	<30
Impurity content	%	F 0.0015%	<0.0015
Impurity content	ppm	Cl 0.001%	<10
Impurity content	ppm	Ba 0.01%	<100



John Astarita  
Director, Quality

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.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.