

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	036664
Lot Number	X23L011
Description	Citric acid, anhydrous, ACS, 99.5+%
CAS Number	77-92-9
Quality Test/Release Date	13/Nov/2025
Suggested retest date	13/Nov/2030
Country of Origin	United States
Declaration of Origin	Other
BSE/TSE	Fermentation: raw material glucose derived from corn

Result Name	Units	Specifications	Test Value
Assay (Titration)	%	≥99.5%	100.2
Chloride content	%	≤0.001%	<0.001
Appearance (Color)		White	White
Form		Solid	Solid
Residue on ignition	%	≤0.02%	0.004
Impurity content	ppm	Fe: ≤3ppm	1
Impurity content	%	Oxalate (C ₂ O ₄): P.T. (limit about 0.05%)	<0.05
Impurity content	ppm	Pb: ≤2ppm	1
Impurity content	%	Phosphate (PO ₄): ≤0.001%	<0.001
Impurity content		Substances carbonizable by hot sulfuric acid (tartrates etc.): P.T.	Passes Test
Impurity content	%	Sulfur compounds (as SO ₄): ≤0.002%	<0.002
Insoluble material	%	≤0.005%	0.001



Derek Roy
 Quality Manager, LCD

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.