

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	A104
Lot Number	253775
Description	CITRIC ACID, GRANULAR, MONOHYDRATE, A.C.S.
CAS Number	5949-29-1
Quality Test/Release Date	08/Jul/2025
Suggested retest date	30/Apr/2026
Country of Origin	Austria
Declaration of Origin	Organic - Plant
BSE/TSE	This material is derived from plant material. It does not contain or come into contact with any animal-containing materials or components.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Colorless to white solid
ASSAY	%	Inclusive Between 99.0 - 102.0	99.7
CHLORIDE	%	<= 0.001	<0.001
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.02	<0.02
INSOLUBLE MATTER	%	<= 0.005	0.001
IRON (Fe)	ppm	<= 3	<3
LEAD (Pb)	ppm	<= 2	<2
OXALATE	PASS/FAIL	= P.T. (ABOUT 0.05%)	P.T. (ABOUT 0.05%)
PHOSPHATE (PO4)	%	<= 0.001	<0.001
SUBSTANCES CARBONIZED BY H2SO4	PASS/FAIL	= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.002	<0.002

**Additional Information** No genetically modified organisms are used in the production of Citric Acid.



Harout Sahagian  
QC 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 use or further manufacturing. 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.