

### CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number. QMS42099

Catalogue Number C/6200  
Lot Number 2525683  
Description Citric Acid AR For analysis  
CAS Number 5949-29-1  
Quality Test/Release Date 06/Feb/2025  
Expiry Phrase Use within 5 yrs opening  
Country of Origin Belgium

Result Name	Units	Specifications	Test Value
Assay	%	>= 99.8 and <= 102	100.38
Calcium (Ca)	ppm	<= 50	<2
Chemical form		Fine crystals (<2 mm)	Fine crystals (<2 mm)
Copper (Cu)	ppm	<= 0.5	<0.5
Insoluble matter (%)	%	<= 0.005	None Detected
Iron (Fe)	ppm	<= 1	<0.5
Lead (Pb)	ppm	<= 1	<0.5
Magnesium (Mg)	ppm	<= 5	<0.5
Oxalate (C2O4)	%	<= 0.005	<0.001
Phosphate (PO4)(%)	%	<= 0.001	<0.001
Potassium (K)	ppm	<= 10	<5
Readily carbonisable substances		Must be 'Pass'	Pass
Residue after ignition	%	<= 0.02	None Detected
Sodium (Na)	ppm	<= 10	<5
Solution		Must be 'Pass'	Pass
Sulfate (SO4) (%)	%	<= 0.002	<0.0015
Total chloride (Cl)	%	<= 0.0005	<0.0005
Total phosphorus (P)	ppm	<= 3	<3
Total silicon (Si)	ppm	<= 5	<2
Total sulfur (S)	ppm	<= 7	<5
Visual colour		White	White
Zinc (Zn)	ppm	<= 1	<0.5

**Additional Information** Meets the current analytical specification of Ph. Eur.

*A. Ganatra*

Ashok Ganatra  
Supervisor, QC

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.