

CERTIFICATE OF ANALYSIS

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

Catalogue Number S/3320
Lot Number 2553656
Description tri-Sodium citrate AR For analysis
CAS Number 6132-04-3
Quality Test/Release Date 02/Oct/2025
Expiry Phrase Use within 5 years of opening
Country of Origin Belgium

Result Name	Units	Specifications	Test Value
Assay	%	>= 99.5 and <= 100.5	99.98
Calcium (Ca)	ppm	<= 20	<2
Chemical form		Fine crystals (<2 mm)	Fine crystals (<2 mm)
Copper (Cu)	ppm	<= 5	<0.5
Iron (Fe)	ppm	<= 5	<2
Lead (Pb)	ppm	<= 5	<1
Magnesium (Mg)	ppm	<= 5	<0.5
Potassium (K)	ppm	<= 100	<50
Readily carbonisable substances		Must be 'Pass'	Pass
Total chloride (Cl)	%	<= 0.005	<0.005
Total nitrogen (N)	ppm	<= 20	0.8
Total phosphorus (P)	ppm	<= 10	<5
Total silicon (Si)	ppm	<= 20	<10
Total sulfur (S)	ppm	<= 20	<5
Visual colour		Clear colourless	Clear colourless
Zinc (Zn)	ppm	<= 2	<0.5
pH (5% aq. solution)		>= 8 and <= 9	8.145

Additional Information Meets the current analytical specification of BP and Ph. Eur.



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.