

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

## **Certificate of Analysis**

Citric acid - ACS reagent, ≥99.5%

Product Name:

Product Number: 251275

Batch Number: BCCH3439

Brand: SIAL

CAS Number: 77-92-9
Formula: C6H8O7
Formula Weight: 192,12 g/mol
Quality Release Date: 02 MAY 2022

0	ОН	0
		Д.
HO'	$\checkmark$	OH.
	0 0	ЭH

Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Crystals	Crystals
Titration with NaOH	≥ 99.50 %	99.97 %
Residue on Ignition	< 0.02 %	< 0.02 %
Infrared Spectrum	Conforms to Structure	Conforms
Insoluble Matter	Pass	Pass
< = 0.005 % (c= 13.3%, H2O)		
Readily Carbonizable Sub	Pass	Pass
Substances Carbonizable by Hot Sulfuric		
Acid Passes Test		
Oxalate	Pass	Pass
Passes Test		
Meets ACS Requirements	Corresponds to Requirements	Corresponds
Iron (Fe)	≤ 3 ppm	< 3 ppm
Lead (Pb)	< 2 ppm	< 2 ppm
Total Sulfur	< 0.002 %	< 0.002 %
as SO4 (ICP)		
Chloride (CI)	< 0.001 %	< 0.001 %
Phosphate (PO4)	<ul><li>0.001 %</li></ul>	< 0.001 %

Dr.Reinhold Schwenninger Quality Assurance

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Version Number: 1 Page 1 of 2



3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Number: 251275
Batch Number: BCCH3439

Buchs, Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Version Number: 1 Page 2 of 2