NATURE SCIENCE TECHNOLOGIES

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CERTIFICATE OF ANALYSIS

Quinic acid

LOT EX0258

Catalog No.: NST-10-224

CAS No.: 77-95-2

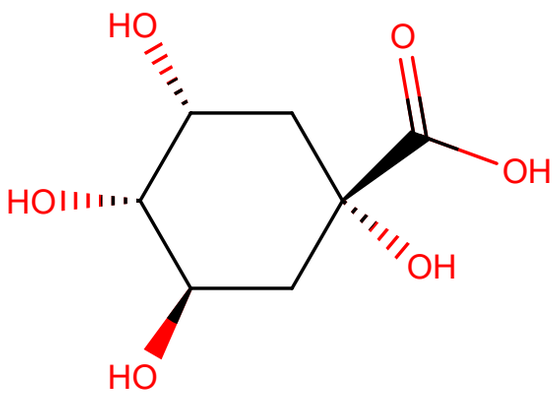
Molecular formula: $C_7H_{12}O_6$

MW: 192.17

Manufacturing date: 02.02.2026

Analysis date: 06.02.2026

Shelf life: 24 months



No.	Parameter	Specification	Results	Method
1.	Appearance	Powder	Conforms	Visual
2.	Color	White	Conforms	Visual
3.	Identification	Conforms	Conforms	TLC&NMR
4.	Assay	98.0 % - 102.0 %	98.96 %	Titration
5.	Purity	≥98.0 %	99.09 %	HPLC ELSD
6.	Specific optical rotation	-42° to -45°	-43.80°	USP <781>
7.	Residue on ignition	≤0.8 %	0.36 %	USP <281>
8.	Loss on drying	≤0.5 %	0.12 %	USP <731>
9.	Heavy Metals	≤10 ppm	Conforms	ICP-MS
10.	Lead	≤2 ppm	Conforms	ICP-MS
11.	Arsenic	≤1 ppm	Conforms	ICP-MS
12.	Mercury	≤0.1 ppm	Conforms	ICP-MS
13.	Cadmium	≤1 ppm	Conforms	ICP-MS

Storage: store in a cool and dry place, keep away from strong light and heat

Stability: 24 months when properly stored

Issued by
Nature Science Technologies Ltd.

Signature:



Date: 06.02.2026

This Certificate of Analysis is based on the manufacturer's quality control documentation for the referenced batch.