

QUALITY SPECIFICATION

Quinic acid

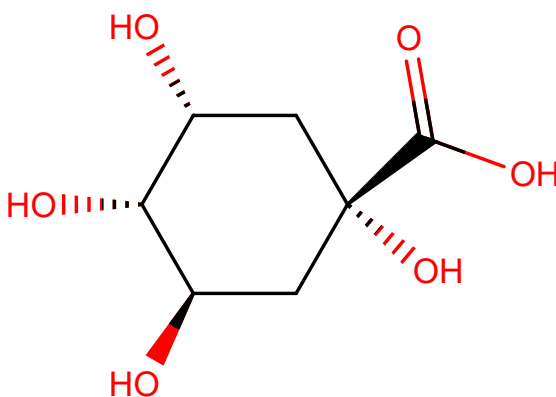
Catalog No.: NST-10-224

CAS No.: 77-95-2

Molecular formula: C₇H₁₂O₆

MW: 192.17

Shelf life: 24 months



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

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

Stability: 24 months when properly stored