

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-02 17:02:27

Date of Next Testing: 2029-03-01 17:02:27

Product Name: **Citric acid**

CAS Number: 77-92-9

Specifications & Purity: Anhydrous Grade, PharmPure™, USP, JP, BP, Ph.Eur., powder

Lot #: GMB2626008

SKU #: **C774600**

Version: **3**

Analysis #: **662874**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Assay (alkalimetric, calculated on anhydrous substance)	99.5-100.5 (%)	99.65000 %
Chloride(Cl)	0-5 (ppm)	0.00000 ppm
Sulfate(SO ₄)	0-150 (ppm)	0.00000 ppm
Heavy metals	0-5 (ppm)	0.00780 ppm
Aluminium(Al)	0-0.2 (ppm)	0.00000 ppm
Arsenic(As)	0-1 (ppm)	0.00780 ppm
Mercury	0-1 (ppm)	0.00000 ppm
Lead(Pb)	0-0.5 (ppm)	0.00000 ppm
Oxalates(as C ₂ H ₂ O ₄)	0-360 (ppm)	0.00000 ppm
Residue on Ignition	0-0.1 (%)	0.03387 %
Water by Karl Fischer	0-0.5 (%)	0.30000 %
Bacterial endotoxins	0-0.5 (IU/mg OR I.U./mg)	0.00000 IU/mg OR I.U./mg
Appearance(white to almost white powder)	Pass	Pass
Solubility:very soluble in water, freely soluble in ethanol(96 per cent)	pass	Pass
Identity (IR-spectrum)	conforms	Conforms
Identity (strongly acidic)	passes test	Passes test
Identity (EP)(C)	passes test	Passes test
Identity(Precipitation test)	passes test	Passes test
Appearance of solution (200 g/l; water)clear and not more intense in color than reference solution Y7, BY7 or GY7	Pass	Pass
Calcium(Ca)	Pass	Pass
Oxalate (C ₂ H ₂ O ₄)(ChP)	passes test	Passes test
Residual solvents (ICH (Q3C))excluded by manufacturing process	pass	Pass
Readily carbonisable substance	Passes test	Passes test



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager