

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Citric acid**
Specifications & Purity: Anhydrous Grade, PharmPure™, USP, JP, BP, Ph.Eur., powder
SKU #: **C774600**

Parameter	Limit Values
Appearance(white to almost white powder)	Pass
Solubility:very soluble in water, freely soluble in ethanol(96 per cent)	pass
Assay (alkalimetric, calculated on anhydrous substance)	99.5-100.5 (%)
Identity (IR-spectrum)	conforms
Identity (strongly acidic)	passes test
Identity (EP)(C)	passes test
Identity(Precipitation 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
Chloride(Cl)	0-5 (ppm)
Sulfate(SO ₄)	0-150 (ppm)
Heavy metals	0-5 (ppm)
Aluminium(Al)	0-0.2 (ppm)
Arsenic(As)	0-1 (ppm)
Calcium(Ca)	Pass
Mercury	0-1 (ppm)
Lead(Pb)	0-0.5 (ppm)
Oxalates(as C ₂ H ₂ O ₄)	0-360 (ppm)
Oxalate (C ₂ H ₂ O ₄)(ChP)	passes test
Residual solvents (ICH (Q3C))excluded by manufacturing process	pass
Readily carbonisable substance	Passes test
Residue on Ignition	0-0.1 (%)
Water by Karl Fischer	0-0.5 (%)
Bacterial endotoxins	0-0.5 (IU/mg OR I.U./mg)