

Specification Sheet

Citric Acid

CAS No.: 77-92-9

Items	Specifications
Characteristics	Very soluble in water, freely soluble in ethanol (96%), sparingly soluble in ether
Appearance	White, crystalline powder
Odor	Typical, practically odorless
Clarity of Solution (USP)	Conforms to USP
Color of Solution (USP)	Conforms to USP
Assay, %	99.70 – 100.30
Water, %	0.00 – 0.50
Calcium, mg/kg	≤ 30.0
Heavy Metals, mg/kg	≤ 5.0
Iron, mg/kg	≤ 3.0
Arsenic, mg/kg	≤ 1.0
Lead, mg/kg	≤ 0.5
Mercury, mg/kg	≤ 0.5
Chloride, mg/kg	≤ 5.0
Oxalic Acid / oxalate, mg/kg	≤ 100
Sulphate, mg/kg	< 100
Residue on Ignition (USP/FCC), %	≤ 0.05
Sulphated Ash, %	≤ 0.05
Particles > Mesh 25 (0.71mm), %	0.0 – 10.0
Particles > 0.63mm, %	0.0 – 10.0
Particles < 0.20mm, %	0.0 – 10.0
Particles < Mesh 100 (0.150mm), %	0.0 – 10.0

Country of Origin: Canada

Shelf-life & Storage: 3 years from the date of manufacture if stored under dry, ambient conditions in a sealed container.