

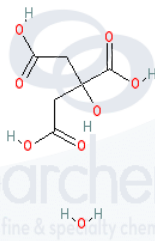


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Typical Product Specifications & Properties

Citric acid monohydrate

CAS Number: : 5949-29-1

Specifications	Limits
Slightly Soluble	in ether
Color	white or colorless crystal or powder
Chemical Structure	 The chemical structure shows a central carbon atom bonded to three carboxylic acid groups and one hydroxyl group. The structure is labeled with 'H' and 'O' atoms. The Parchem logo is overlaid on the structure.
Appearance	Colorless / white / almost white powder
Solubility	Very soluble in water, freely soluble in ethanol, sparingly soluble in ether
Taste	Strong acidic taste
Odor	Typical, practically odorless
Clarity of Solution	Conforms
Assay	99.7 - 100.3 %
Readily Carbonizable Substances	Conforms
Calcium	No more than 30 mg/kg
Heavy Metals	No more than 5 mg/kg





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Specifications	Limits
Iron	No more than 3 mg/kg
Arsenic	No more than 1 mg/kg
Lead	No more than 0.5 mg/kg
Mercury	No more than 0,5 mg/kg
Molecular weight	210.14
Chloride	No more than 5 mg/kg
Residue on Ignition	No more than 0.05%
Sulfated Ash	No more than 0.05%
Filtration test	No more than 40 mg/kg (weight test, 0.2 um)
Particles > Mesh 25 (0.71 mm)	No more than 10%
Particles < 0.20 mm	No more than 10%
Particles < Mesh 100 (0.150 mm)	No more than 10%



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Specifications	Limits
Identification	Conforms
Appearance of Solution	Conforms
Water	7.5 - 8.8 %
Oxalate	No more than 100 mg/kg
Sulfate	No more than 100 mg/kg
Particles > 0.63 mm	No more than 10%



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