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Typical Product Specifications & Properties

Citric acid monohydrate

CAS Number: : 5949-29-1

Specifications	Limits
Slightly Soluble	in ether
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
Iron	No more than 3 mg/kg
Arsenic	No more than 1 mg/kg



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Specifications	Limits
Lead	No more than 0.5 mg/kg
Mercury	No more than 0,5 mg/kg
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%
Identification	Conforms
Appearance of Solution	Conforms
Water	7.5 - 8.8 %



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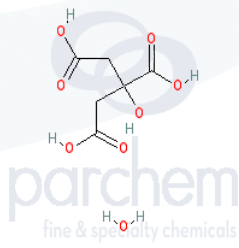
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Specifications	Limits
Oxalate	No more than 100 mg/kg
Sulfate	No more than 100 mg/kg
Particles > 0.63 mm	No more than 10%
Molecular weight	210.14
Color	white or colorless crystal or powder

Specifications	Limits
Chemical Structure	



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