



Certificate of Analysis

Citric Acid Anhydrous Powder USP/FCC/EP

Catalog Number: CA1002
Lot Number: 0229603
CAS Number: 77-92-9
Molecular Formula: $C_6H_8O_7$
Molecular Weight: 192.12
Storage: 15°C – 30°C, very hygroscopic
Date of Manufacture: June 23, 2015
Retest Date: June 22, 2018

Test	Specification	Result
Appearance	Colorless crystals	Conforms
Assay	99.5 – 100.5%	100.20
Identification	To meet requirement	Conforms
Particle Size		
60mesh	< 2%	0.8%
200mesh	> 50%	92.4%
Solution		
Clarity	To meet requirement	Conforms
Color	To meet requirement	Conforms
Moisture	≤ 0.5%	0.05%
Residue on Ignition	≤ 0.05%	< 0.05%
Readily Carbonizable Substances	To meet requirement	Conforms
Sulfate	≤ 0.015%	< 0.015%
Oxalate	≤ 0.036%	< 0.036%
Heavy Metals	≤ 5ppm	< 5ppm
Lead	≤ 0.5ppm	< 0.5ppm
This lot meets the specifications for USP, FCC, EP, BP and JP grades.		

Approved by:

Date: March 2, 2016

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