



Certificate of Analysis

Citric Acid Anhydrous ACS

Catalog Number: CA1017
Lot Number: 0907602
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: April 20, 2016
Retest Date: April 19, 2021

Test	Specification	Result
Appearance	White to colorless crystals	Conforms
Assay	$\geq 99.5\%$	99.65%
Identification	To meet requirement	Conforms
Solubility (50mg/mL, H ₂ O)	Clear-hazy, colorless	Conforms
Insoluble Matter	$\leq 0.005\%$	0.003%
Residue on Ignition	$\leq 0.02\%$	0.011%
Carbonizable Substances (Hot H ₂ SO ₄)	To meet requirement	Conforms
Chloride	$\leq 0.001\%$	< 0.001%
Oxalate	To meet requirement	Conforms
Phosphate	$\leq 0.001\%$	< 0.001%
Sulfate	$\leq 0.002\%$	< 0.002%
Iron	$\leq 3\text{ppm}$	< 3ppm
Lead	$\leq 2\text{ppm}$	< 2ppm

Approved by:

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Date: September 7, 2016