



## Certificate of Analysis

### Citric Acid Anhydrous USP

**Catalog Number:** CA1008  
**Lot Number:** 0125801  
**CAS Number:** 77-92-9  
**Molecular Formula:**  $C_6H_8O_7$   
**Molecular Weight:** 192.12  
**Storage:** 15°C – 30°C, very hygroscopic  
**Retest Date:** November 13, 2021

Test	Specification	Result
Appearance	Colorless crystals	Conforms
Assay	99.5 – 100.5%	100.0%
Identification	Meets the requirement	Conforms
Color & Clarity	To pass test	Conforms
UV Absorbance	To pass test	Conforms
% Retained on Sieving	US30 $\leq$ 1.0% US30 $\leq$ 5.0%	0.4% 0.4%
Moisture	$\leq$ 0.5%	0.04%
Residue on Ignition	$\leq$ 0.05%	< 0.05%
Readily Carbonizable Substances	Meets the requirement	Conforms
Organic Volatile Impurities	Meets the requirement	Conforms
Tridodecylamine	$\leq$ 0.1mg/kg	< 0.1mg/kg
Calcium	To pass test	Conforms
Sulfate	$\leq$ 5mg/kg	< 5mg/kg
Oxalate	To pass test	Conforms
Limit of Oxalic Acid	$\leq$ 0.036%	< 0.036%
Heavy Metals	$\leq$ 5mg/kg	< 5mg/kg
Arsenic	$\leq$ 1ppm	< 1ppm
Lead	$\leq$ 0.5mg/kg	< 0.5mg/kg
This lot meets the specifications for USP34.		

Approved by:

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