

### Certificate of Analysis

**Product: Citric Acid Granular**  
**Item Number: CTAGF**  
**Grade: USP/FCC**  
**Lot Number: 5000455/1.1**  
**Manufacture Date: 09/27/2023**  
**Expiration Date: 09/26/2026**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Assay	99.5 - 100.5%	99.80%
Mesh Size	12 - 40	12 - 40
Identification A and B	To Pass Test	Pass
Color & Clarity of Solution	To Pass Test	Pass
Water	≤0.5%	0.10%
Heavy metals as Pb	≤5ppm	1
Oxalate	≤100ppm	30
Sulphate	≤150ppm	10
Calcium	≤75ppm	2
Readily Carbonisable Substances	To Pass Test	Pass
Arsenic	≤1ppm	0.1
Bacterial Endotoxins	≤0.5 I.U./mg	0.38
Chloride	≤50ppm	1
Iron	≤5ppm	1
Lead	≤0.5 ppm	<0.5
Mercury	≤1ppm	<1
Residue of Ignition (Sulfated Ash)	≤0.05%	0.01
Aluminum	≤0.2ppm	0.15
Transmittance	≥96.0%	98.7%
Appearance	White Crystals or granules	Pass

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ESSENTIAL CHEMICALS



Tridodecylamine

≤0.1ppm

<0.1

### Citric Acid Granular

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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