

### Certificate of Analysis

**Product: Sodium Citrate Dihydrate**  
**Item Number: SOCTGU**  
**Grade: USP/FCC**  
**Lot Number: 6087808**  
**Manufacture Date: 10/25/2021**  
**Expiration Date: 10/24/2024**  
**Country of Origin: United States**

Tested Property	Specification	Analysis
Assay, %	99.0 - 100.5	99.4
Water (Loss on Drying), %	11.0 - 13.0	12.3
pH 5% solution	7.5 - 9.0	8.8
Readily Carbonisable Substances	To Pass Test	Pass
Odor	Typical, practically odorless	Pass
Appearance of Solution	Clear and Colorless	Pass
Acidity	To Pass Test	Pass
Alkalinity	To Pass Test	Pass
Heavy Metals, mg/kg	<=5	Pass
Chloride, mg/kg	<=50	Pass
Arsenic, mg/kg	<=1	Pass
Lead, mg/kg	<=0.5	Pass
Mercury, mg/kg	<=0.5	Pass
Oxalic Acid / Oxalate, mg/kg	<=100	Pass
Sulphate, mg/kg	<=100	Pass
Tartrate	To Pass Test	Pass
Particles > Mesh 25 (0.71mm), %	<=10	Pass
Particles > 0.63mm, %	<=10	0
Particles < 0.20mm, %	<=15	3
Particles < Mesh 100 (0.150mm), %	<=15	Pass

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