

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-31 13:41:27  
 Date of Next Testing: 2029-10-30 13:41:27  
 Product Name: **Citrate**  
 CAS Number: 77-92-9  
 Specifications & Purity: AR, ≥99.5%(T)  
 Lot #: J2530800  
 SKU #: **C108869**  
 Version: **3**  
 Analysis #: **593839**  
 Storage Temperature: Room temperature

| Parameter                     | Limit Values                                        | Result                                              |
|-------------------------------|-----------------------------------------------------|-----------------------------------------------------|
| Sulfate(SO42-)                | <=0.005(%)                                          | 0.00120 %                                           |
| Purity (Titration by NaOH)    | 99.5-100 (%)                                        | 99.94000 %                                          |
| Heavy metal (as Pb)           | 0-0.0005 (%)                                        | 0.00000 %                                           |
| Insoluble matter in H2O       | <=0.005(%)                                          | 0.00000 %                                           |
| Phosphate(PO4)                | <=0.001(%)                                          | 0.00000 %                                           |
| Ignition Residue (as sulfate) | <=0.02(%)                                           | 0.00000 %                                           |
| Chloride (Cl-)                | <=0.001(%)                                          | 0.00000 %                                           |
| Iron(Fe)                      | <=0.0003(%)                                         | 0.00000 %                                           |
| Lead(Pb)                      | ≤0.0005 (%)                                         | 0.00000 %                                           |
| Carbonite(C2O4)               | 0-0.035 (%)                                         | 0.03500 %                                           |
| Appearance (C108869)          | Colorless or White to Off-White Crystals or Powders | Colorless or White to Off-White Crystals or Powders |
| Infrared spectrum             | Conforms to Structure                               | Conforms to Structure                               |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager