

Sodium Citrate, Dihydrate, Crystal  
AR® (ACS)



Material No.: 0754-12

Batch No.: 21J0561082

Manufactured Date: 2019-12-19

Retest Date: 2026-12-17

Revision No.: 0

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements

| Test                                                                                            | Specification        | Result    |
|-------------------------------------------------------------------------------------------------|----------------------|-----------|
| ACS - Assay ( $\text{HOC}(\text{COONa})(\text{CH}_2\text{COONa})_2 \cdot 2\text{H}_2\text{O}$ ) | $\geq 99.0 \%$       | 99.5 %    |
| ACS - pH of 5% Solution at 25°C                                                                 | 7.0 - 9.0            | 8.3       |
| ACS - Insoluble Matter                                                                          | $\leq 0.005 \%$      | < 0.005 % |
| ACS - Chloride (Cl)                                                                             | $\leq 0.003 \%$      | < 0.003 % |
| ACS - Sulfate ( $\text{SO}_4$ )                                                                 | $\leq 0.005 \%$      | < 0.005 % |
| ACS - Ammonia (as $\text{NH}_3$ )                                                               | $\leq 0.003 \%$      | < 0.003 % |
| ACS - Calcium (Ca)                                                                              | $\leq 0.005 \%$      | < 0.005 % |
| ACS - Heavy Metals (as Pb)                                                                      | $\leq 5 \text{ ppm}$ | < 5 ppm   |
| ACS - Iron (Fe)                                                                                 | $\leq 5 \text{ ppm}$ | < 5 ppm   |

For Laboratory, Research, or Manufacturing Use  
Appearance (colorless or white crystals)  
Country of Origin: Austria  
Packaging Site: Paris Mfg Ctr & DC

  
Jamie Ethier  
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700