

Material No.: 2554-01  
Batch No.: 23E2561032  
Manufactured Date: 2022-11-09  
Retest Date: 2029-11-07  
Revision No.: 0

## Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

| Test   | Specification | Result      |
|--|---------------|-------------|
| ACS - Specific Rotation $[\alpha]^{25}_{\text{D}}$ (+) | 23.3 - 24.3 ° | 23.8 °      |
| ACS - Insoluble Matter                                 | ≤ 0.01 %      | < 0.01 %    |
| ACS - Loss on Drying at 105°C                          | ≤ 0.05 %      | 0.05 %      |
| ACS - Residue after Ignition                           | ≤ 0.01 %      | < 0.01 %    |
| ACS - Titrable Acid (meq/g)                            | ≤ 0.0008      | 0.0003      |
| ACS - Reducing Sugars                                  | Passes Test   | Passes Test |
| Trace Impurities - ACS - Heavy Metals (as Pb)          | ≤ 5 ppm       | < 5 ppm     |

For Laboratory, Research, or Manufacturing Use

Country of Origin: France  
Packaging Site: Paris Mfg Ctr & DC



Michelle Bales  
Sr. Manager, Quality Assurance

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

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