

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-10-15 16:59:44  
 Date of Next Testing: 2027-10-15 16:59:44  
 Product Name: **D-(+)-Galacturonic acid sodium salt**  
 CAS Number: 14984-39-5  
 Specifications & Purity:  $\geq 98\%$ (T)  
 Lot #: J2511373  
 SKU #: **D131412**  
 Version: **1**  
 Analysis #: **579361**  
 Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                                                                | Limit Values                            | Result                                  |
|--------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Purity (T)                                                               | 98-100 (%)                              | 99.20000 %                              |
| Specific Rotation $[\alpha]_{20/D(5 \text{ hr in c=10 in H}_2\text{O})}$ | 34.5-38.5 (°)                           | 36.45000 °                              |
| Proton NMR spectrum                                                      | Conforms to Structure                   | Conforms to Structure                   |
| Appearance (D131412)                                                     | White to Faint Beige Powder or Crystals | White to Faint Beige Powder or Crystals |



John Su  
QA & QC Manager