

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-27 11:13:28  
 Date of Next Testing: 2029-04-26 11:13:28  
 Product Name: **Sodium L-lactate-(<sup>13</sup>C)3**  
 CAS Number: 201595-71-3  
 Specifications & Purity: ≥98 atom% <sup>13</sup>C, ≥98%, 45-55 % (w/w) in H<sub>2</sub>O  
 Lot #: D2621558  
 SKU #: **S334655**  
 Version: **1**  
 Analysis #: **682912**  
 Storage Temperature: Protected from light, Store at -20°C

| Parameter                         | Limit Values                              | Result                                    |
|-----------------------------------|-------------------------------------------|-------------------------------------------|
| Purity(HPLC area)                 | 98-100 (%)                                | 99.50000 %                                |
| Isotopic purity( <sup>13</sup> C) | 98-100 (%)                                | 99.40000 %                                |
| Concentration                     | 45 - 55 (%)                               | 51.00000 %                                |
| Appearance(S334655)               | Colorless to Yellow Clear Liquid Solution | Colorless to Yellow Clear Liquid Solution |
| NMR Spectrum <sup>1</sup> H       | Conforms to Structure                     | Conforms to Structure                     |



John Su  
QA & QC Manager