

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-02 13:55:03  
Date of Next Testing: 2027-12-02 13:55:03  
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 #: K2428660  
SKU #: **S334655**  
Version: **1**  
Analysis #: **439209**  
Storage Temperature: Protected from light, Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.90 %
Isotopic purity( <sup>13</sup> C)	98-100 (%)	99.50000 %
Concentration	45 - 55 (%)	49.00 %
Appearance(S334655)	Colorless to Yellow Clear Liquid Solution	Colorless to Yellow Clear Liquid Solution
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager