

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-26 16:41:35  
 Date of Next Testing: 2029-05-25 16:41:35  
 Product Name: **Fumaric acid-<sup>13</sup>C4**  
 CAS Number: 201595-62-2  
 Specifications & Purity: ≥98 atom%, ≥98%  
 Lot #: E2619032  
 SKU #: **F336547**  
 Version: **2**  
 Analysis #: **714134**  
 Storage Temperature: Store at 2-8°C

| Parameter            | Limit Values          | Result                |
|----------------------|-----------------------|-----------------------|
| Purity(HPLC area)    | 98-100 (%)            | 98.20000 %            |
| Isotopic purity(13C) | 98-100 (atom%)        | 99.00000 atom%        |
| NMR Spectrum 1H      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager