

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-02 14:29:46  
Date of Next Testing: 2026-06-01 14:29:46  
Product Name: **D-Glucose-<sup>13</sup>C<sub>6</sub>**  
CAS Number: 110187-42-3  
Specifications & Purity:  $\geq 99$  atom % <sup>13</sup>C,  $\geq 98\%$  (CP)  
Lot #: E2329087  
SKU #: **D346444**  
**Analysis:** **217683**  
Storage Temperature: Protected from light, Room temperature, Argon charged

| Parameter                                    | Limit Values                              | Result                                    |
|--|---|---|
| Purity(HPLC)                                 | 98-100 (%)                                | 99.80000 %                                |
| Melting point                                | 144-151 (°C)                              | 146.30000 °C                              |
| D-GLUCOSE (U- <sup>13</sup> C <sub>6</sub> ) | 99-100 (%)                                | 99.61000 %                                |
| Proton NMR spectrum                          | Conforms to Structure                     | Conforms to Structure                     |
| Appearance(D346444)                          | White to Colorless to Light Yellow Powder | White to Colorless to Light Yellow Powder |



John Su  
QA & QC Manager