

## Certificate of Analysis

Date of Testing: 2024-12-24 17:11:50

Date of Next Testing: 2027-12-24 17:11:50

Product Name: **D-Fructose-1-<sup>13</sup>C**

CAS Number: 108311-21-3

Specifications & Purity:  $\geq 99$  atom% <sup>13</sup>C,  $\geq 99\%$

Lot #: L2420645

SKU #: **D473806**

Version: **1**

Analysis #: **446059**

Storage Temperature: Protected from light, Store at -20°C, Argon charged

| Parameter                         | Limit Values          | Result                |
|-----------------------------------|-----------------------|-----------------------|
| Purity(HPLC area)                 | 99-100 (%)            | 99.60 %               |
| Isotopic purity( <sup>13</sup> C) | 99-100 (%)            | 99.00000 %            |
| NMR Spectrum 1H                   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager