

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-05 17:42:02  
Date of Next Testing: 2025-09-04 17:42:02  
Product Name: **Formaldehyde-<sup>13</sup>C solution**  
CAS Number: 3228-27-1  
Specifications & Purity:  $\geq 99$  atom% <sup>13</sup>C, 20 wt. % in H<sub>2</sub>O  
Lot #: I2201773  
SKU #: **F357312**  
Version: **2**  
Analysis #: **119689**  
Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Concentration	19-21 (%)	19.10 %
<sup>13</sup> C Enrichment	99-100 (%)	99.00000 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Appearance(F357312)	Colorless liquid	Colorless liquid



John Su  
QA & QC Manager