

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-29 17:37:51

Date of Next Testing: 2028-12-28 17:37:51

Product Name: **Pyruvic acid (1-¹³C)**

CAS Number: 99124-30-8

Specifications & Purity: ≥99 atom% ¹³C, ≥99%

Lot #: L2524487

SKU #: **P465462**

Version: **1**

Analysis #: **627703**

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

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	100.00 %
Isotopic purity(¹³ C)	99-100 (atom%)	99.10 atom%
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(P465462)	Colorless to yellow and yellow-green liquid	Colorless to yellow and yellow-green liquid
Carbon NMR Spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager