

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-28 11:46:38
 Date of Next Testing: 2028-05-27 11:46:38
 Product Name: **Pyruvic acid (1-¹³C)**
 CAS Number: 99124-30-8
 Specifications & Purity: ≥99 atom% ¹³C, ≥99%
 Lot #: E2527674
 SKU #: **P465462**
 Version: **1**
 Analysis #: **515991**
 Storage Temperature: Protected from light, Store at -20°C, Argon charged

Parameter	Limit Values	Result
Isotopic purity(¹³ C)	99-100 (atom%)	99.90000 atom%
Purity(HPLC area)	99-100 (%)	99.90000 %
Appearance(P465462)	Colorless to yellow and yellow-green liquid	Colorless to yellow and yellow-green liquid
NMR Spectrum ¹ H	Conforms to Structure	Conforms to Structure
Carbon NMR Spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager