

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-13 18:38:40

Date of Next Testing: 2029-01-12 18:38:40

Product Name: **Ethanol-2-¹³C**

CAS Number: 14770-41-3

Specifications & Purity: ≥ 99 atom% ¹³C, $\geq 99\%$ (CP)

Lot #: A2612375

SKU #: **E473838**

Version: **1**

Analysis #: **635794**

Storage Temperature: Protected from light, Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.00000 %
Proton NMR (ATOM % ¹³ C)	99-100 (atom%)	99.00000 atom%
Water by Karl Fischer	0-0.5 (%)	0.30000 %
NMR Spectrum ¹ H	Conforms to Structure	Conforms to Structure
Appearance(E473838)	Clear Colorless Liquid	Clear Colorless Liquid
¹³ C NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager