

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-25 16:18:57

Date of Next Testing: 2028-12-24 16:18:57

Product Name: **DL-Alanine-¹³C₃**

CAS Number: 144476-54-0

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

Lot #: L2524486

SKU #: **D473834**

Version: **1**

Analysis #: **628610**

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

Parameter	Limit Values	Result
Purity(HPLC area)	99-100 (%)	99.00%
Purity (atom% ¹³ C)	99-100 (%)	99.00000%
Appearance(D473834)	White powder	White powder
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Carbon NMR Spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager