

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-05-09 16:39:11  
Date of Next Testing: 2028-05-08 16:39:11  
Product Name: **(R)-2-hydroxy-3,3-dimethylbutanoic acid**  
CAS Number: 22146-57-2  
Specifications & Purity:  $\geq 98\%$   
Lot #: E2506312  
SKU #: **T725855**  
Version: **2**  
Analysis #: **496672**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.79%
Specific Rotation $[\alpha]_{20}^D(c=1 \text{ in } \text{CH}_2\text{Cl}_2)$	$-14 \sim -10$ ( $^{\circ}$ )	$-10.78^{\circ}$
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager