

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-09-18 11:29:09

Date of Next Testing: 2027-09-18 11:29:09

Product Name: **(S)-3,3,3-Trifluoro-2-hydroxy-2-methylpropionic Acid**

CAS Number: 24435-45-8

Specifications & Purity: $\geq 98\%$ (T)

Lot #: I2515469

SKU # **S138547**

Version **0**

Analysis #: **531672**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	108-112 (°C)	109.09000 °C
Purity(Neutralization titration)	97.5-102.5 (%)	100.83600 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in H}_2\text{O})$	-17--16 (°)	-16.90000 °
Purity(GC)	98-100 (%)	99.17800 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager