

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-18 15:02:16
Date of Next Testing: 2025-08-17 15:02:16
Product Name: **(R)-3-Hydroxyisobutyric Acid Methyl Ester**
CAS Number: 72657-23-9
Specifications & Purity: $\geq 98.0\%$ (GC)
Lot #: K2113639
SKU #: **R136025**
Analysis: 265916
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.07%
Specific Rotation $[\alpha]_{20}^D(c=4 \text{ in MeOH})$	-29--22 ($^{\circ}$)	-25.59 $^{\circ}$
Enantiometric Excess	98-100 (%)	98.90%
Appearance (R136025)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager