

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-23 17:24:52
Date of Next Testing: 2027-12-23 17:24:52
Product Name: (-)-Methyl (S)-2,2-dimethyl-1,3-dioxolane-4-carboxylate
CAS Number: 60456-21-5
Specifications & Purity: $\geq 95\%$
Lot #: L2416200
SKU #: M119128
Version: 0
Analysis #: 453898

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	95.01%
Enantiometric Excess	96-100 (%)	96.06%
Specific Rotation $[\alpha]_{20/D}$	-11.5--9.5 ($^{\circ}$)	-9.60 $^{\circ}$
Appearance (M119128)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager