

Certificate of Analysis

Date of Testing: 2023-06-02 15:22:21
Date of Next Testing: 2027-06-01 15:22:21
Product Name: **(1S)-(+)-Menthyl chloroformate**
CAS Number: 7635-54-3
Specifications & Purity: 97%
Lot #: E2327330
SKU #: **M113561**
Analysis: **233081**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.458-1.46	1.46
Density (20°C)	1.031-1.035	1.03
Purity(GC)	97-100 (%)	98.60%
Specific rotation [α] ₂₀ /D(neat)	70-80 (°)	74.00000
Appearance (M113561)	colorless to brown liquid	colorless to brown liquid
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager