

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-18 17:44:22

Date of Next Testing: 2027-12-08 17:44:22

Product Name: (S)-(+)- α -Methoxy- α -trifluoromethylphenylacetyl chloride

CAS Number: 20445-33-4

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

Lot #: L2508090

SKU #: M113469

Version: 0

Analysis #: 628375

Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ (c=2 in Toluene)	145-152 (°)	145.38000 °
Refractive index n _D ²⁰	1.467-1.47	1.47000
Density (20°C)	1.354-1.357	1.35600
Purity(GC)	98-100 (%)	99.42300 %
Appearance (M113469)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su
QA & QC Manager