

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-18 16:15:20

Date of Next Testing: 2027-10-08 16:15:20

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

CAS Number: 20445-33-4

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

Lot #: J2513509

SKU #: M113469

Version: 0

Analysis #: 369429

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

Parameter	Limit Values	Result
Density (20°C)	1.354-1.357	1.35600
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in Toluene})$	145-152 (°)	145.10000 °
Refractive index $n_{20/D}$	1.467-1.47	1.46800
Purity(GC)	98-100 (%)	99.22100 %
Appearance (M113469)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su
QA & QC Manager