

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-10 14:07:57

Date of Next Testing: 2027-06-30 14:07:57

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

CAS Number: 20445-33-4

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

Lot #: J2312625

SKU #: M113469

Version: 0

Analysis #: 538688

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

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ (c=2 in Toluene)	145-152 (°)	145.29800 °
Refractive index n _D ²⁰	1.467-1.47	1.46780
Density (20°C)	1.354-1.357	1.35480
Purity(GC)	98-100 (%)	99.49800 %
Appearance (M113469)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su
QA & QC Manager