

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-12 18:52:44
 Date of Next Testing: 2028-03-01 18:52:44
 Product Name: (S)-(+)- α -Methoxy- α -trifluoromethylphenylacetyl chloride
 CAS Number: 20445-33-4
 Specifications & Purity: $\geq 98\%$ (GC)
 Lot #: C2604010
 SKU #: M113469
 Version: 0
 Analysis #: 672200
 Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [a] _D ²⁰ (c=2 in Toluene)	145-152 (°)	145.20000 °
Refractive index n _D ²⁰	1.467-1.47	1.46970
Density (20°C)	1.354-1.357	1.35580
Purity(GC)	98-100 (%)	98.60000 %
Appearance (M113469)	Colorless to light yellow liquid	Colorless to light yellow liquid



John Su
QA & QC Manager