

Certificate of Analysis

Date of Testing: 2025-08-21 13:20:56

Date of Next Testing: 2029-08-20 13:20:56

Product Name: (R)-(-)-2,2-Dimethyl-1,3-dioxolan-4-ylmethyl p-Toluenesulfonate

CAS Number: 23788-74-1

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

Lot #: K2108390

SKU #: R160924

Version: 1

Analysis #: 556944

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.12 %
Specific Rotation [α] ₂₀ /D(c=2 in DMF)	-8.5--7.5 (°)	-7.50 °
Appearance (R160924)	White or Colorless to Yellow powder to lump to clear liquid	White or Colorless to Yellow powder to lump to clear liquid
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager