

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 #: K2108389
 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