

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-09-19 14:01:22

Date of Next Testing: 2027-09-19 14:01:22

Product Name: (S)-(+)-5-(Hydroxymethyl)-2-pyrrolidinone p-toluenesulfonate

CAS Number: 51693-17-5

Specifications & Purity: ≥95%

Lot #: I2410489

SKU # I170736

Version 0

Analysis #: 404872

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

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.62600 %
Specific Rotation [α] ₂₀ /D(c=1 in EtOH)	6.5-8.5 (°)	8.50000 °
Appearance (I170736)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager