

Certificate of Analysis

Date of Testing: 2023-03-08 18:33:41

Date of Next Testing: 2027-03-07 18:33:41

Product Name: **N-Toluenesulfonyl-L-proline**

CAS Number: 51077-01-1

Specifications & Purity: 97%

Lot #: C2306215

SKU #: **T170686**

Analysis: **152333**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	99.78300 %
Water by Karl Fischer	0-3 (%)	0.67 %
Specific Rotation [α] ₂₀ /D(c=3 in MeOH)	-93~-82 (°)	-92.79 °
LC-MS for identification	Conforms	Conforms
Appearance (T170686)	colorless oil or white Crystals or powder or crystalline powder	colorless oil or white Crystals or powder or crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager