

Certificate of Analysis

Date of Testing: 2024-12-03 16:58:39

Date of Next Testing: 2026-12-03 16:58:39

Product Name: **L-Tryptophan methyl ester hydrochloride**

CAS Number: 7524-52-9

Specifications & Purity: $\geq 98\%$

Lot #: L2403003

SKU #: **T109009**

Version: **0**

Analysis #: **382298**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=5 in MeOH)	17-19 (°)	18.29°
Melting point	218-220 (°C)	219.00000 °C
Purity(Titration by AgNO ₃)	98-100 (%)	98.17 %
Purity(HPLC)	98-100 (%)	98.08000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (T109009)	White to Off-White to Light orange to Light purple Powder to purple Powder	White to Off-White to Light yellow to Light orange to Light purple Powder to purple Powder



John Su
QA & QC Manager