

Certificate of Analysis

Date of Testing: 2025-06-04 13:40:16

Date of Next Testing: 2027-06-04 13:40:16

Product Name: **L-3,4-Dihydroxyphenylalanine methyl ester hydrochloride**

CAS Number: 1421-65-4

Specifications & Purity: $\geq 98\%$

Lot #: F2503545

SKU #: **S133010**

Version: **0**

Analysis #: **510200**

Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.56300 %
Nitrogen by Elemental Analysis (anhydrous)	5.2-5.9 (%)	5.71 %
Specific Rotation $[\alpha]_{25}^D(c=2 \text{ in MeOH})$	9-11 ($^{\circ}$)	10.34 $^{\circ}$
3,4-Dihydroxy Phenylalanine(HPLC)	0-1 (%)	0.08 %
Appearance (S133010)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to yellow, clear to slightly hazy 100mg/ml	pass	Pass



John Su
QA & QC Manager