

Certificate of Analysis

Date of Testing: 2024-08-09 16:08:10

Date of Next Testing: 2026-08-09 16:08:10

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

CAS Number: 1421-65-4

Specifications & Purity: $\geq 98\%$

Lot #: G2431545

SKU #: **S133010**

Version: **0**

Analysis #: **388315**

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

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.03800 %
Nitrogen by Elemental Analysis (anhydrous)	5.2-5.9 (%)	5.53 %
3,4-Dihydroxy Phenylalanine(HPLC)	0-1 (%)	0.32 %
Specific Rotation $[\alpha]_{25}^D$ (c=2 in MeOH)	9-11 ($^{\circ}$)	9.63 $^{\circ}$
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 hazy100mg/ml	pass	Pass



John Su
QA & QC Manager