

Certificate of Analysis

Date of Testing: 2022-02-20 22:37:50

Date of Next Testing: 2026-02-19 22:37:50

Product Name: **L-dopa**

CAS Number: 59-92-7

Specifications & Purity: 99%

Lot #: B2217186

SKU #: **D111048**

Analysis: **063382**

Storage Temperature: Protected from light, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.7-55.9 (%)	54.56 %
Purity(Nonaqueous Titration)	98.5-101.5 (%)	99.63 %
Purity(HPLC)	98-100 (%)	99.47700 %
Specific Rotation [α] ₂₀ /D(c=5 in 1mol/L HCl)	-13--11 (°)	-11.31 °
Nitrogen by Elemental Analysis	6.5-7.6 (%)	7.12 %
Appearance (D111048)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in 0.5 M HCl , Colorless to Light Yellow Clear to Hazy(50mg/ml)	pass	Pass
Solubility in 1 M HCl	Almost transparency	almost transparency



John Su
QA & QC Manager