

Certificate of Analysis

Date of Testing: 2024-10-14 15:09:09

Date of Next Testing: 2028-10-13 15:09:09

Product Name: **L-(+)-Lysine Monohydrochloride**

CAS Number: 657-27-2

Specifications & Purity: Animal Free, Ph.Eur., JP, USP, for cell culture, ≥98.5%

Lot #: J2411552

SKU #: **L113006**

Version: **6**

Analysis #: **413082**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Sulfate(SO42-)	0-0.02 (%)	0.01 %
Heavy metal (as Pb)	0-10 (ppm)	0.35 ppm
Ammonia (NH4)	0-0.02 (%)	0.00 %
Loss on drying	0-0.4 (%)	0.09 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.04 %
Iron(Fe)	0-10 (ppm)	1.26 ppm
(As)Arsenic	0-1 (ppm)	0.27 ppm
PH test	5-6	5.30
Purity	98.5-100.5 (%)	99.40 %
Chloride (Cl-)	19.12-19.51(%)	19.32 %
Specific Rotation [α] _{25/D} (c=8 in 6M HCL)	20.4-21.4 (°)	20.80 °
Appearance (L113006)	White to Off White Powder or Crystals	White to Off White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms	Conforms
Cell Culture Test	pass	Pass
Residual solvents	complies	complies
Solubility,1g/5ml water	Clear colorless	Clear Colorless



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager