

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-14 11:40:07
 Date of Next Testing: 2029-07-13 11:40:07
 Product Name: **L-Tyrosine**
 CAS Number: 60-18-4
 Specifications & Purity: Animal Free, USP, JP, Moligand™, Ph.Eur., for cell culture, ≥99%
 Lot #: G2503566
 SKU #: **T115962**
 Version: **1**
 Analysis #: **513659**
 Storage Temperature: Protected from light, Room temperature

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.00000 %
Chloride	0-0.04 (%)	0.01700 %
Heavy metals	0-15 (ppm)	6.00000 ppm
Ignition Residue	0-0.4 (%)	0.38388 %
Sulfate(SO42-)	0-0.04 (%)	0.00000 %
Assay	99-100 (%)	99.00200 %
Iron(Fe)	0-30 (ppm)	0.00000 ppm
Ammonia (NH4)	0-0.02 (%)	0.02000 %
Specific Rotation [α] ₂₀ /D(c=5 in 1 M HCl)	-12.1--11.3 (°)	-11.31000 °
Appearance (T115962)	White to Off-White Powder or Solid or Chunks	White to Off-White Powder or Solid or Chunks
Solubility in 1 M HCl , Colorless to faint yellow, Clear , 25mg/ml	pass	Pass
Cell Culture Test	pass	Pass
Origin	non-animal source	non-animal source
Residual solvents	complies	complies
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



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

John Su
QA & QC Manager