

Certificate of Analysis

Date of Testing:	2025-07-14 10:57:20
Date of Next Testing:	2029-07-13 10:57:20
Product Name:	L-Tyrosine
CAS Number:	60-18-4
Specifications & Purity:	Moligand™, Animal Free, USP, JP, Ph.Eur., for cell culture, ≥99%
Lot #:	G2503568
SKU #	T115962
Version	1
Analysis #:	513659
Storage Temperature:	Protected from light

Parameter	Limit Values	Result
Loss on drying	0-0.3 (%)	0.00 %
Chloride	0-0.04 (%)	0.02 %
Heavy metals	0-15 (ppm)	6.00 ppm
Ignition Residue	0-0.4 (%)	0.38 %
Sulfate(SO42-)	0-0.04 (%)	0.00 %
Assay	99-100 (%)	99.00 %
Iron(Fe)	0-30 (ppm)	0.00 ppm
Ammonia (NH4)	0-0.02 (%)	0.02 %
Specific Rotation [α] ₂₀ /D(c=5 in 1 M HCl)	-12.1--11.3 (°)	-11.31 °
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



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager