

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	L-Tyrosine
Batch Number	CP3724091301
Quantity	3100 kg
Manufacture Date	2024-09-13
Expiry Date	2027-09-12
Reference Standard	USP32
Analysis Date	2024-09-16

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Identification (Infrared Absorption)	Conforms	Qualified
Specific Rotation	-9.8° to -11.2°	-10.5°
Loss on Drying	≤0.3%	0.07%
Residue on Ignition	≤0.4%	0.09%
Chloride	≤0.04%	<0.04%
Sulfate	≤0.04%	<0.04%
Iron	≤0.003%	<0.003%
Heavy Metals	≤0.0015%	<0.0015%
Chromatographic Purity (TLC)	Conforms	Qualified
Individual Impurity	≤0.5%	<0.5%
Total Impurity	≤2.0%	<2.0%
Organic Volatile Impurities	Meets the requirements	Qualified
Residual Solvents	Meets the requirements	Qualified
Assay	98.5–101.5%	99.97%

Conclusion:

Material conforms to the USP32 standard.