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Certificate of Analysis

Product Description: L-Tyrosine, cell culture reagent
Catalog Number: 194759
Lot: SR03758

Formula: C₉H₁₁NO₃
CAS #: 60-18-4
Physical Description: White Powder

Formula Weight: 181.19
Storage: 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
UV/VIS: λ max (water)	270 - 275 nm	274.4 nm
Loss on Drying	<0.5%	0.16%
Optical Rotation (c=4, 1N HCl)	-9.0° to -12.0°	-10.2°

Residue on Ignition: 0.04%
Chloride: 0.018%
Sulfate: 0.003%
Iron: 0.0006%
Heavy Metals: 0.0004%
Total Impurities: <2.0%
Individual Impurities: <0.5%
Residual Solvents: as per USP38
Assay: 99.6%
Total Plate Count: 55 cfu/g
Yeast & Mold: 10 cfu/g
E. coli: Negative
Salmonella: Negative
Staphylococcus aureus: Negative/10 g
Recommended Retest Date (MM/DD/YYYY): 09/01/2023



02/03/2021 - John Huang, PhD
MP Biomedicals, LLC.

Quality Control Manager

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