



Certificate of Analysis

Product Name:	L-Tyrosine	Batch Number:	Varies
CAS No.	60-18-4	Manufacture Date:	Varies
Molecular Formula:	C₉H₁₁NO₃	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (HPLC)		98.5 - 101.5%	99.4 - 99.6%
Physical	Appearance	White crystalline powder	Complies
	Identification	Infrared Absorption	Complies
	Specific rotation	-9.8 to 11.2°	-10.3 - 10.5°
	pH	5.5 - 7.0	6.3
	Loss on drying	≤ 0.3%	0.11%
	Residue on ignition	≤ 0.40%	0.05 - 0.06%
Chemical	Heavy Metals	≤ 15 ppm	Complies
	Chloride	≤ 0.04%	Complies
	Sulfate	≤ 0.04%	Complies
	Iron	≤ 30 ppm	Complies
	Lead (Pb)	≤ 3 ppm	Complies
	Arsenic (As)	≤ 1 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies
	Mercury (Hg)	≤ 0.1 ppm	Complies
Microbial	Total Plate Count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	Coliforms	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

