



Certificate of Analysis

Product Name:	N-acetyl-L-Tyrosine	Batch Number:	Varies
CAS No.	537-55-3	Manufacture Date:	Varies
Molecular Formula:	C ₉ H ₁₁ NO ₃	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		99.0 ~ 101.0%	99.9 - 100.1%
Physical	Appearance	White crystals or crystalline powder	Complies
	Particle Size	≥ 10% pass 80 mesh	50%
	Transmittance of solution	≥ 96%	98 - 98.1%
	Loss on drying	≤ 0.5%	0.14%
	Residue on ignition	≤ 0.1%	0.04 - 0.05%
	Specific rotation	+46.5° - +49.0°	+46.9 - 47.2°
	pH	2.0 - 3.0	2.3 - 2.6
Chemical	Heavy Metals	≤ 10 ppm	Complies
	Iron (Fe)	≤ 30 ppm	< 4 - 10 ppm
	Lead (Pb)	≤ 0.5 ppm	< 0.5 ppm
	Arsenic (As ₂ O ₃)	≤ 1 - 2 ppm	< 0.5 - 1 ppm
	Cadmium (Cd)	≤ 0.5 ppm	< 0.5 ppm
	Mercury (Hg)	≤ 0.1 ppm	< 0.1 ppm
	Ammonium (NH ₄) Chloride (Cl) Sulfate (SO ₄) Tyrosine	≤ 0.02% ≤ 0.02% ≤ 0.02% ≤ 1%	< 0.008 - 0.02% < 0.01 - 0.02% < 0.012 - 0.02% < 1%
Microbial	Total Plate Count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E. Coli, Salmonella, Pseudomonas, Staphylococcus	Negative	Complies
Else	Storage condition	Sealed, kept in shady and dry place	
	Shelf life	Two years	

