



CERTIFICATE OF ANALYSIS

Product	L-TYROSINE
Grade	USP
Product Code	TB1932
Formula	C ₉ H ₁₁ NO ₃
MW	181.19
CAS#	60-18-4
Lot No	

Test Items	Specifications	Results
Appearance	White crystals or Crystalline powder	
Identification (IR)	Concordant with the reference spectrum	
Assay	98.5-101.5%	
Specific Rotation [α] _{D20} ^o	-9.8 ^o ~ -11.2 ^o	
Chloride	≤0.04%	
Sulfate	≤0.04%	
Iron	≤30ppm	
Heavy Metals	≤15ppm	
Loss on Drying	≤0.30%	
Residue on Ignition	0.40%	
Chromatographic purity		
Individual impurity	≤0.5%	
Total impurity	≤2.0%	

Storage: Store at room temperature. Protect from moisture.