



CERTIFICATE OF ANALYSIS

Product	L-PROLINE
Grade	USP
Product Code	PB0923
Formula	C ₅ H ₉ NO ₂
MW	115.14
CAS#	147-85-3
LOT#	

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	
Identification (IR)	Conforms to Structure	
Assay	98.5% ~101.5%	
Specific Rotation	-84.3°~ -86.3°	
Chloride (as Cl)	≤0.05%	
Sulfate (as SO ₄)	≤0.03%	
Iron	≤30ppm	
Heavy Metals (as Pb)	≤15ppm	
Loss on Drying	≤0.4%	
Residue on Ignition	≤0.4%	
Organic Volatile Impurities	PASS	

Storage: Store at room temperature. Protect from moisture.