

Certificate of Analysis

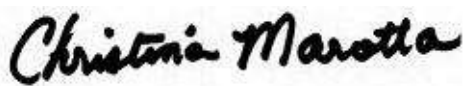
Product Description: L-Leucine
Catalog Number: 102158
Lot: M8602

Formula: C₆H₁₃NO₂
CAS #: 61-90-5
Physical Description: White Powder

Formula Weight: 131.18
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
FTIR	Conforms to Standard	Conforms to Standard
Specific Rotation	+14.5° to +16.5°	+15.5°
Loss on Drying	≤0.2%	0.07%

Assay: 99.8%
 pH: 6.0
 Heavy metals: <10 ppm
 Residue on ignition: 0.03%
 Chloride: 0.020%
 Sulfate: <0.020%
 Arsenic: 1.0 ppm
 Iron: 12 ppm
 Total plate count: <1000 cfu/g
 Yeast & Mold: <100 cfu/g
 E. coli: Negative
 Salmonella: Negative
 Other amino acid: Not detected
 Total impurities: <2.0%
 Each individual impurity: <0.5%
 Organic volatile impurities: Conforms to USP30
 Residual solvents: Conforms to USP30



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