



Certificate of Analysis

Product Description: L-Aspartic Acid
Catalog Number: 100809
Lot: M3286

Formula: C₄H₇NO₄
CAS #: 56-84-8
Physical Description: White Powder

Formula Weight: 133.10
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	99.3%
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation	+21 to +27° (c=1, 1N HCl)	+25.21°
Loss on Drying	≤0.5%	0.04%

Particle size: 100% thru 100 mesh
 Amino acids: 99.2 g/100g
 Bulk density: 0.62 g/ml
 Tap density: 1.16 g/ml
 Heavy metals: <10 ppm
 E.coli: Negative
 Salmonella: Negative
 S.aureus: Not detected
 Total plate count: <2,000 cfu/g
 Yeast & Mold: <100 cfu/g
 Ammonium: <0.02%
 Chloride: <0.02%
 Residue on ignition: 0.05%
 Sulphate: <0.02%
 Iron: <10 ppm
 Mercury: Not detected
 Arsenic: Not detected
 Cadmium: Not detected
 Lead: 0.064 ppm

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