



Certificate of Analysis

Product Description: L-Aspartic Acid
Catalog Number: 100809
Lot: Q2468

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%	99.5%
FTIR	Conforms to Standard	Conforms to Standard
Optical Rotation	+21 to +27° (c=1, 1N HCl)	+24.7°
Loss on Drying	≤0.5%	0.01%

Sulfate (SO₄): <0.02%
Chloride (Cl): <0.02%
Iron (Fe): <10 ppm
Residue on ignition: 0.08%
Heavy metals (Pb): <10 ppm
Ammonium salt (NH₄): <0.02%
Lead (Pb): <5 ppm
pH: 2.9
Arsenic (As): <1 ppm
Chromatographic purity:
- USP: ≤2.0%
- Other Amino acid: ≤0.5%
Staphylococcus aureus: Negative/25 g
Total plate count: None
Yeast & Mold: None
E.coli, Salmonella: None
Coliforms: < 3.0 MPN/g
Recommended Retest Date: 3/16/2017

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