



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Certificate of Analysis

| | |
|-------------------|--|
| Catalogue Number | 04-2034 |
| Product | L-Lysine hydrate |
| Lot Number | 001192-180815 L-Lys-OH•H ₂ O (S)-2,6-Diaminohexanoic acid monohydrate |
| CAS Number | 39665-12-8 |
| Molecular Formula | C ₆ H ₁₄ N ₂ O ₂ •H ₂ O |
| Molecular Weight | 164.2 |

| | |
|--------------------|--|
| Appearance | White or light yellow powder |
| Heavy Metals | < 10 ppm (as Pb) |
| Anion | Chloride (Cl ⁻): < 0.020% Sulfate (SO ₄ ²⁻): < 0.020% |
| Cation | Ammonium (NH ₄ ⁺): < 0.020% Iron (Fe): < 10 ppm Lead (Pb): < 3 ppm Mercury (Hg): < 0.1 ppm Cadmium (Cd): < 1 ppm Arsenic (As): < 1 ppm |
| Optical Rotation | [α] _D ²⁰ = + 25.9 ° |
| Transmission | 96.3% |
| Loss on Drying | 10.7% |
| Other Amino Acids | < 0.50% |
| Sulfated Ash | 0.06% |
| Assay by titration | 99.53% |
| Storage | Store at RT |

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP