



## CERTIFICATE OF ANALYSIS

Test results are from an  
ISO/IEC 17025  
accredited laboratory

|                 |               |
|-----------------|---------------|
| Product Name    | L-Lysine      |
| Lot Number      | 2301077       |
| Expiration Date | February 2025 |

| Active                     | Test Method | Specification        | Results  |
|----------------------------|-------------|----------------------|----------|
| L-Lysine as (L-Lysine HCl) | Titration   | 500 mg - 625 mg/dose | Complies |

| Microbiological Organism    | Test Method           | Specifications | Results  |
|-----------------------------|-----------------------|----------------|----------|
| Total Aerobic Count (cfu/g) | USP <2021> Equivalent | ≤1,000 cfu/g   | Complies |
| Molds and yeast (cfu/g)     | USP <2021> Equivalent | ≤100 cfu/g     | Complies |
| Enterobacteriaceae          | USP <2021> Equivalent | ≤100 cfu/g     | Complies |
| S. aureus                   | USP <2022> Equivalent | Absent in 10g  | Complies |
| E. coli                     | USP <2022> Equivalent | Absent in 10g  | Complies |
| Salmonella                  | USP <2022> Equivalent | Absent in 10g  | Complies |

| Heavy Metals | Test Method | Specification       | Results  |
|--------------|-------------|---------------------|----------|
| Arsenic      | ICP MS      | <10 mcg/Daily Dose  | Complies |
| Cadmium      | ICP MS      | <4.1 mcg/Daily Dose | Complies |
| Mercury      | ICP MS      | <0.3 mcg/Daily Dose | Complies |
| Lead         | ICP MS      | <0.5 mcg/Daily Dose | Complies |

| Characteristics   | Test Method | Specifications          | Results  |
|-------------------|-------------|-------------------------|----------|
| Residual Solvents | USP <467>   | Meets USP Requirements* | Complies |
| Ethylene Oxide    | GC-MS/MS    | ≤0.1PPM**               | Complies |
| Pesticides        | USP <561>   | Meets USP Requirements* | Complies |

\*Tested on a qualification basis on Raw Materials

\*\*Tested on a qualification basis

Joshua Sims – Director of Quality & Regulatory