



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

| | |
|------------------------------------|---|
| Catalogue Number | BIO-435 |
| Lot Number | 001192-160525 |
| Product | L-Arginine |
| | L-Arg-OH |
| | (S)-2-Amino-5-((aminoiminomethyl)amino)pentanoic acid |
| CAS Number | 74-79-3 |
| Molecular Formula | C ₆ H ₁₄ N ₄ O ₂ |
| Molecular Weight | 174.2 |
| <hr/> | |
| Appearance | White crystalline powder |
| Heavy Metals | < 10 ppm |
| Anion | Chloride (Cl ⁻): < 0.05% Sulfate (SO ₄ ²⁻): < 0.03% |
| Cation | Iron (Fe): < 10 ppm |
| Optical Rotation | [α] _D ²⁵ = +27.21° |
| Infrared Spectrum | Conforms to structure |
| Loss on Drying | 0.20% |
| Organic Volatile Impurities | Meet USP requirements |
| Related Substances | Individual impurity: < 0.5% Total impurities: < 2.0% |
| Residue On Ignition | 0.12% |
| Assay | 99.55% |
| Grade | USP |
| Storage | Store at RT |