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Product Specifications

| | |
|--------------------------|--|
| Catalogue Number | 26712 |
| Product | L-Alanine, USP, EP, Kosher Certified L-Ala-OH (S)-2-Aminopropanoic acid |
| CAS Number | 56-41-7 |
| Molecular Formula | C ₃ H ₇ NO ₂ |
| Molecular Weight | 89.09 |

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|------------------------------------|--|
| Appearance | White crystalline powder |
| Heavy Metals | < 10 ppm (as Pb) |
| Trace Metal Analysis | Arsenic (As ₂ O ₃) < 1ppm Iron (Fe) < 10ppm |
| Anion | Chloride (Cl ⁻) < 0.02% Sulfate (SO ₄ ²⁻) < 0.02% |
| Cation | Ammonium (NH ₄ ⁺) = < 0.02% |
| pH | 5.7 - 6.7 |
| Optical Rotation | +14.3 to +15.2° @ 20 °C +13.7 to +15.1° @ 25 °C |
| Loss on Drying | < 0.2 % |
| Coliform Organisms | Negative |
| Endotoxin Test | < 6.0 EU/g |
| Microbial Count | < 100 CFU/g |
| Organic Volatile Impurities | Conforms by certification |
| Residue On Ignition | < 0.10% |
| Assay (Anhydrous Basis) | 99.0 - 101.0% |
| Purity | Conforms to chromatographic purity |
| Storage | Store at RT |
| Additional Information | Mold = < 10 CFU/g Passes test on identification, Foreign amino acids =< 0.2% (TLC 100 mcg), State of solution =>98% |

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For Laboratory Use Only