

Specification Sheet

Product Name: L-Arginine alpha-Ketoglutarate (1:1)

Revision Date: 11/6/09

Chemical Formula: C₁₁H₂₀N₄O₇ * **Molecular Weight:** 320.3 * **CAS No:** 16856-18-1

ANALYTICAL	SPECIFICATIONS	METHODS
Appearance	White powder	Visual
Assay	98.0% – 102.0%	HPLC
Specific Rotation	+14.0 ^o – +15.0 ^o	USP <781>
pH	3.0 – 4.0	USP <791>
Loss on Drying	NMT 1.0%	USP <731>
Residue on Ignition	NMT 0.20%	USP <281>
Bulk Density	NLT 0.46g/ml	USP <616>
Heavy Metals	NMT 0.001% (10 ppm)	USP <231>
Arsenic	NMT 0.0001% (1 ppm)	USP <211>
Cadmium	NMT 0.0001% (1ppm)	USP <231>
Chloride	NMT 0.05%	USP <221>
Iron	NMT 0.001% (10 ppm)	USP <241>
Lead	NMT 0.0003% (3 ppm)	USP <251>
Mercury	NMT 0.00001 (0.1ppm)	USP <261>
Total Plate Count	NMT 1,000 cfu/g	USP <61>
Yeast & Mold	NMT 100 cfu/g	USP <61>
E. Coli	Negative	USP <62>
Salmonella	Negative	USP <62>

Shelf Life: 2 years

Storage Conditions and Handling: Tightly sealed in a clean, cool, dry location

Container Type: 25kg Drum