

CERTIFICATE OF ANALYSIS

Product Name	L-Arginine Alpha-ketoglutarate	Specification	13-15% Cu
CAS No.	16856-18-1	Manufacture Date	2024.9.16
Quantity	300KG	Analysis Date	2024.8.22
Batch No.	BF-240916	Expiry Date	2026.9.15

Items	Specifications	Results
Assay (HPLC)	≥ 98%	99%
Appearance	White to light yellow crystalline powder	Complies
Identification	In accordance with standard retention time	Complies
Odor & Taste	Characteristic	Complies
Optical rotation (°)	+16.5° ~ +18.5°	+17.2°
Loss on Drying	≤ 0.5%	0.13%
pH	5.5 ~ 7.0	6.5
Residue on Ignition	≤ 0.2%	Complies
Chloride (%)	≤ 0.05%	0.02%
Heavy Metal		
Total Heavy Metal	≤ 10 ppm	Complies
Lead (Pb)	≤ 2.0 ppm	Complies
Arsenic (As)	≤ 2.0 ppm	Complies
Cadmium (Cd)	≤ 1.0 ppm	Complies
Mercury (Hg)	≤ 0.1 ppm	Complies
Microbiological Test		
Total Plate Count	≤1000 CFU/g	Complies
Yeast & Mold	≤100 CFU/g	Complies
E.Coli	Negative	Complies
Salmonella	Negative	Complies
Package	Packed in plastic bag inside and aluminum foil bag outside.	
Storage	Store in a cool and dry place, keep away from strong light and heat.	
Shelf Life	Two years when properly stored.	
Conclusion	Sample Qualified.	

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