

## Specification Sheet

Product Name	L-Arginine Alpha Ketoglutarate 2:1		
Packing	25Kg/Drum	Shelf Life:	24 Months

Analysis	Specification	Test methods
Identification	HPLC	HPLC
Appearance	White to yellow Crystalline powder	Visual
Assay (%)	98~102.0	HPLC
L-Arginine (%)	65.5~69	HPLC
Alpha Ketoglutarate (%)	26.5~29	HPLC
Specific rotation (°) $[\alpha]_D^{20}$ (8g/100mL, 6N HCl)	+16.5 ~+18.5	USP
PH(10% H <sub>2</sub> O)	5.5~7.0	USP
Hydrate	≤6.8	USP
Chloride (%)	≤0.05	USP
Loss on Drying (%)	≤1.0	USP
Residue in Ignition (%)	≤0.2	USP
Heavy Metals (ppm)	≤10ppm	AAS
As (ppm)	≤1ppm	AAS
Pb (ppm)	≤1ppm	AAS
Cd (ppm)	≤1ppm	AAS
Hg (ppm)	≤1ppm	AAS
Iron (ppm)	≤10ppm	AAS
Bulk density (g/ml)	≥0.5	-----
Particle Size	100% Through 30Mesh	-----
Total Plate Count (cfu/g)	≤1000	USP
Yeast (cfu/g)	≤100	USP
Mold (cfu/g)	≤100	USP
E.Coli (cfu/g)	Negative	USP
Salmonella (cfu/g)	Negative	USP
Staphylococcus Aureus (cfu/g)	Negative	USP
Melamine and Melamine derivatives	Free	-----
Conclusion	This product complies with the above standard	