

# SHANGHAI WENTAI BIO TECHNOLOGY CO.,LTD

## CERTIFICATION OF ANALYSIS

Product Name: L-Arginine- $\alpha$ -ketoglutarate 2:1

Manufacture Date: 2023.04.28

Batch No.: 20230434

Quantity: 1000KGS

Report Date: 2023.04.29

Expiry Date: 2025.04.27

Articles	Specifications	Results
Appearance	White to yellow crystalline power	White to yellow crystalline power
Assay	98.0%-102.0%	100.14%
Assay of L-Arginine	65.5%-69.0%	67.23%
Assay of $\alpha$ -ketoglutarate	26.5-29.0%	27.01%
Specific optical rotation [a] (8g/100ml 6N HCL)	+16.5° ~ +18.5°	+18.1°
pH(10/%H2O)	5.5-7.0	6.0
Hydrate	≤6.8%	5.9%
Chloride	≤0.05%	0.03%
Loss on drying	≤1.0%	0.48%
Residue on ignition	≤0.2%	0.10%
Heavy metals(as Pb)	≤10ppm	< 10ppm
Pb	≤1ppm	< 1ppm
Iron	≤10ppm	< 10ppm
Arsenic(AS2O3)	≤1ppm	< 1ppm
Cadmium	≤1ppm	< 1ppm
Mercury	≤1ppm	< 1ppm
Bulk density (g/ml)	≥0.5	0.53
Particle Size	Thus30	100%
Total plate count(cfu/g)	≤1000cfu/g	conforms
Yeast(cfu/g)	≤100cfu/g	conforms
Mold(cfu/g)	≤100cfu/g	conforms
Salmonella(cfu/g)	Negative	Negative
E.coli (cfu/g)	Negative	Negative
Staphylococcus Aureus (cfu/g)	Negative	Negative
Melamine and Melamine derivatives	Free	Free

Conclusion: The test result of the above mentioned product meets house standard

Analysis: chenhong



Verification: zhaoyan