

SHANGHAI WENTAI BIO TECHNOLOGY CO.,LTD

CERTIFICATION OF ANALYSIS

Product Name: L-Arginine Alpha-Ketoglutarate 2:1

Manufacture Date: 2026.01.05

Batch No.: 20260105

Quantity: 1000kg



Report Date: 2026.01.06

Expiry Date: 2028.01.04

Item	Specification	Result
Identification	HPLC	Conforms
Appearance	White to yellow crystalline power	Conforms
Assay	98.0% to 102.0%	100.3%
L-Arginine Assay	65.5 %to 69.0%	66.3%
Alpha Ketoglutarate Assay	26.5% to 29.0%	28.3%
Specific rotation [α]D20	+ 16.5° to 18.5°	+ 17.4°
PH	5.5 to 7.0	5.8
Hydrate	Not more than 6.8%	5.6%
Chloride	Not more than 0.05%	0.03%
Loss on drying	Not more than 1.0%	0.18%
Residue on ignition	Not more than 0.20%	0.12%
Heavy metals	Not more than 10ppm	Conforms
Arsenic(as As2o3)	Not more than 1ppm	Conforms
Mercury	Not more than 1ppm	Conforms
Cadmium	Not more than 1ppm	Conforms
Lead	Not more than 1ppm	Conforms
Iron(Fe)	Not more than 10ppm	Conforms
Bulk dentisity	Not less than 0.5g/ml	0.54g/ml
Particle size	Thus 30 mesh	≥98%
Total Plate Count	Not more than 1000cfu/g	Conforms
Yeast and Mould	Not more than 100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Melamine and Melamine derivatives	Free	Free
Conclusion :	The products Conforms to In-house standard	

Analysis: chenhong

Verification: zhaoyan

SHANGHAI WENTAI BIO TECHNOLOGY CO.,LTD

CERTIFICATION OF ANALYSIS

Product Name: L-Arginine Alpha-Ketoglutarate 2:1

Manufacture Date: 2026.01.06

Batch No.: 20260106

Quantity: 1000kg



Report Date: 2026.01.07

Expiry Date: 2028.01.05

Item	Specification	Result
Identification	HPLC	Conforms
Appearance	White to yellow crystalline power	Conforms
Assay	98.0% to 102.0%	99.4%
L-Arginine Assay	65.5 %to 69.0%	66.5%
Alpha Ketoglutarate Assay	26.5% to 29.0%	27.6%
Specific rotation [α]D20	+ 16.5° to 18.5°	+ 17.5°
PH	5.5 to 7.0	5.6
Hydrate	Not more than 6.8%	5.4%
Chloride	Not more than 0.05%	0.02%
Loss on drying	Not more than 1.0%	0.26%
Residue on ignition	Not more than 0.20%	0.11%
Heavy metals	Not more than 10ppm	Conforms
Arsenic(as As2o3)	Not more than 1ppm	Conforms
Mercury	Not more than 1ppm	Conforms
Cadmium	Not more than 1ppm	Conforms
Lead	Not more than 1ppm	Conforms
Iron(Fe)	Not more than 10ppm	Conforms
Bulk dentisity	Not less than 0.5g/ml	0.56g/ml
Particle size	Thus 30 mesh	≥98%
Total Plate Count	Not more than 1000cfu/g	Conforms
Yeast and Mould	Not more than 100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Melamine and Melamine derivatives	Free	Free
Conclusion :	The products Conforms to In-house standard	

Analysis: chenhong

Verification: zhaoyan

SHANGHAI WENTAI BIO TECHNOLOGY CO.,LTD

CERTIFICATION OF ANALYSIS

Product Name: L-Arginine Alpha-Ketoglutarate 2:1

Manufacture Date: 2026.01.07

Batch No.: 20260107

Quantity: 1000kg



Report Date: 2026.01.08

Expiry Date: 2028.01.06

Item	Specification	Result
Identification	HPLC	Conforms
Appearance	White to yellow crystalline power	Conforms
Assay	98.0% to 102.0%	100.5%
L-Arginine Assay	65.5 %to 69.0%	66.7%
Alpha Ketoglutarate Assay	26.5% to 29.0%	27.4%
Specific rotation [α]D20	+ 16.5° to 18.5°	+ 18.2°
PH	5.5 to 7.0	5.7
Hydrate	Not more than 6.8%	6.1%
Chloride	Not more than 0.05%	0.04%
Loss on drying	Not more than 1.0%	0.31%
Residue on ignition	Not more than 0.20%	0.12%
Heavy metals	Not more than 10ppm	Conforms
Arsenic(as As2o3)	Not more than 1ppm	Conforms
Mercury	Not more than 1ppm	Conforms
Cadmium	Not more than 1ppm	Conforms
Lead	Not more than 1ppm	Conforms
Iron(Fe)	Not more than 10ppm	Conforms
Bulk dentensity	Not less than 0.5g/ml	0.58g/ml
Particle size	Thus 30 mesh	≥98%
Total Plate Count	Not more than 1000cfu/g	Conforms
Yeast and Mould	Not more than 100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Melamine and Melamine derivatives	Free	Free
Conclusion :	The products Conforms to In-house standard	

Analysis: chenhong

Verification: zhaoyan

SHANGHAI WENTAI BIO TECHNOLOGY CO.,LTD

CERTIFICATION OF ANALYSIS

Product Name: L-Arginine Alpha-Ketoglutarate 2:1

Manufacture Date: 2026.01.08

Batch No.: 20260108

Quantity: 1000kg



Report Date: 2026.01.09

Expiry Date: 2028.01.07

Item	Specification	Result
Identification	HPLC	Conforms
Appearance	White to yellow crystalline power	Conforms
Assay	98.0% to 102.0%	100.7%
L-Arginine Assay	65.5 %to 69.0%	66.8%
Alpha Ketoglutarate Assay	26.5% to 29.0%	27.4%
Specific rotation [α]D20	+ 16.5° to 18.5°	+ 18.3°
PH	5.5 to 7.0	6.7
Hydrate	Not more than 6.8%	6.4%
Chloride	Not more than 0.05%	0.02%
Loss on drying	Not more than 1.0%	0.33%
Residue on ignition	Not more than 0.20%	0.12%
Heavy metals	Not more than 10ppm	Conforms
Arsenic(as As2o3)	Not more than 1ppm	Conforms
Mercury	Not more than 1ppm	Conforms
Cadmium	Not more than 1ppm	Conforms
Lead	Not more than 1ppm	Conforms
Iron(Fe)	Not more than 10ppm	Conforms
Bulk dentensity	Not less than 0.5g/ml	0.57g/ml
Particle size	Thus 30 mesh	≥98%
Total Plate Count	Not more than 1000cfu/g	Conforms
Yeast and Mould	Not more than 100cfu/g	Conforms
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative
Melamine and Melamine derivatives	Free	Free
Conclusion :	The products Conforms to In-house standard	

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