



Certificate of Analysis

Product Name:	L-Arginine	Expiration Date:	Apr.27, 2024
Batch Number:	LYPH220428	Manufacture Date:	Apr.28, 2022
Batch Quantity:	960kg	Analysis Date:	Apr.29, 2022

Items	Specification	Results
Appearance	White power	Conforms
Assay	98%~102.0%	99.67%
L-Arginine	65.5%~69%	66.85%
Alpha Ketoglutaric Acid	26.5%~29%	28.62%
Specific rotation	+16.5°~+18.5°	+18.0°
PH	5.5~7.0	5.7
Hydrate	<6.8	4.2
Chloride	<0.05%	0.03%
Loss on Drying	<1.0%	0.82%
Residue on ignition	<0.2%	0.08%
Heavy metals	<10ppm	<10ppm
Arsenic	<1ppm	<1ppm
Pb	<1ppm	<1ppm
Cadmium	<1ppm	<1ppm
Hg	<0.1ppm	<0.1ppm
Iron	<10ppm	<10ppm
Bulk density	≥0.5g/ml	0.53g/ml
Total Plate Count	<1000cfu/g	<1000cfu/g
Yeast	<100cfu/g	<100cfu/g
Moulds	<100cfu/g	<100cfu/g
E. Coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus Aureus	Negative	Negative

Conclusion	Conform with specification
Storage	Store in cool & dry place. Do not freeze. Keep away from strong light and heat.
Shelf life	2 years when properly stored

Quality Assurance Officer:董文华

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