

Ingredients4u PTE. LTD.

Certificate of Analysis

Product L-Arginine Nitrate
Production Date 2023.05.03
Expiration Date 2025.05.02
Lot Number
Quantity 100kg
Country of Origin China
Origin Produced by Fermentation



1. Chemical/Analytical Information

This product meets quality requirements of In house Monograph.

Analysis Item	Specification	Method	Result
Characters, Appearance	White Crystals or crystalline powder	Visual	White powder
Identification	Infrared absorption	USP43	Conform
Specific rotation $[\alpha]_{D20}$	+19.0° to +21.0°	In House	+19.86
Chloride (Cl)	NMT 0.02%	In House	<0.02%
Ammonium (NH ₄)	NMT 0.02%	In House	<0.02%
Sulfate (SO ₄)	NMT 0.02%	In House	<0.02%
Iron (Fe)	NMT 10ppm	In House	<10ppm
Lead	NMT 1 ppm	USP43	<1ppm
Arsenic	NMT 0.5 ppm	USP43	<0.5ppm
Cadmium	NMT 0.5 ppm	USP43	<0.5 ppm
Mercury	NMT 0.1 ppm	USP43	<0.1ppm
Heavy metals (Pb)	NMT 10 ppm	In House	<10ppm
Loss on drying	NMT 1.5%	In House	1.40%
Residue on ignition (sulfated)	NMT 0.1%	In House	0.04%
Assay	NLT 98.0%	In House	99.40%

2. Microbiological Information

Analysis Item	Specification	Method	Result
Total Aerobic Microbial Count	NMT 1000 cfu/g	USP43	<1000 cfu/g
Molds and Yeasts Count	NMT 100 cfu/g	USP 43	<100 cfu/g
Coliform bacteria	Negative/10g	Testing Plate	Negative
Salmonella sp.	Negative/10g	Testing Plate	Negative
Staphylococcus aureus	Negative/10g	Testing Plate	Negative

Keep container dry and tightly closed; Keep in a cool well-ventilated place; Keep away from heat and oxidizing agents.

Shelf life: 2 years.

QC Aihua.zhang

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