

SUNNY CHEMGROUP CO., LIMITED

ROOM 1607 TREND CENTRE 29-31 CHEUNG LEE ST CHAI WAN HONGKONG
(TAX ID: 6248141400012176)

Certificate of analysis

INVOICE NO.:TTSFC644/24

PO NO.:6826

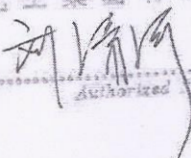
REF PT-25179-777 319519

SAMPLE NAME	L-Arginine HCL	BATCH NO.	24052101
QUANTITY	1000 KGS	DATE OF MANUFACTURE	May 21,2024
SPECIFICATION	USP-NF2023	RE-TEST DATE:	May 20,2026

ITEM	Standards	RESULT
Appearance	White crystalline Or Crystalline powder	Conform
Specific Rotation	+ 21.4° ~ +23.6°	22.3°
Chloride	16.58%~17.00%	16.7%
Ammonium	≤0.02%	<0.02%
Sulfate	≤0.030%	<0.02%
Iron	≤10ppm	<10ppm
Heavy Metals	≤10ppm	<10ppm
Arsenic	≤1ppm	<1ppm
Loss on drying	≤0.20%	0.18%
Residue on ignition	≤0.10%	0.03%
Other Amino Acids	Conforms	Conforms
Assay	99.0%~101.0%	99.3%

Conclusion: This product conforms to USP-NF2023 standard.

For and on behalf of
SUNNY CHEMGROUP CO., LIMITED
陽光化工集團有限公司


Authorized Signature(s)

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