

SUNNY CHEMGROUP CO., LIMITED

218 C 5/F JAFFE MANSION 218 JAFFE RD WAN CHAI HONGKONG

(TAX ID: 6248141400012176)

Certificate of analysis

INVOICE NO.:TTSFC564/23

PO No.:6697

SAMPLE NAME	L-Arginine HCL	BATCH NO.	23082701
QUANTITY	1000 KGS	DATE OF MANUFACTURE	Aug.27,2023
SPECIFICATION	USP-NF2021	RE-TEST DATE:	Aug26,2025

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%	99.6%

Conclusion: This product conforms to USP-NF2021 standard.

REF PT-25179-777 LOTE 317328

APROBADO

AA-460-101

LOTE: 305972