

SUNNY CHEMGROUP CO., LIMITED

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

(TAX ID: 6248141400012176)

Certificate of analysis

INVOICE NO.:TTSFC550/23

PO No.:6670

SAMPLE NAME	L-Arginine HCL	BATCH NO.	23082401
QUANTITY	1000 KGS	DATE OF MANUFACTURE	AUG.24,2023
SPECIFICATION	USP33	RE-TEST DATE:	AUG.23,2025

ITEM	Standards	RESULT
Appearance	White crystalline Or Crystalline powder	Conform
Specific Rotation	+ 21.4° ~ +23.6°	22.4°
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%	0.17%
Residue on ignition	≤0.10%	0.03%
Other Amino Acids	Conforms	Conforms
Assay	99.0%~101.0%	99.6%

Conclusion: This product conforms to USP33 standard.

REF.PT-25179-777

PDA

317059

AA 460.101 308913

7AA

APROBADO

13/12/2023