

SUNNY CHEMGROUP CO., LIMITED
218 C 5/F JAFFE MANSION 218 JAFFE RD WAN CHAI HONGKONG
(TAX ID: 6248141400012176)

Certificate of analysis

INVOICE NO.: TTSC377/21

PO No.: 6321

SAMPLE NAME	L-Arginine HCL	BATCH NO.	21121801
QUANTITY	500 KGS	DATE OF MANUFACTURE	2021.12.18
SPECIFICATION	USP33	EXP. DATE:	2023.12.17

ITEM	Standards	RESULT
Appearance	White crystalline Or Crystalline powder	Conform
Specific Rotation	+ 21.4° ~ +23.6°	22.3°
Chloride	16.58%~17.00%	16.63%
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%	0.12%
Residue on ignition	≤0.10%	0.08%
Other Amino Acids	Conforms	Conforms
Assay	99.0%~101.0%	99.5%

Conclusion: This product conforms to USP33 standard.

APROBADO

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Fino Pro3