

SUNNY CHEMGROUP CO., LIMITED

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

(TAX ID: 6248141400012176)

Certificate of analysis

INVOICE NO.:TTSFC612/24

PO NO.:6773

SAMPLE NAME	L-tryptophan	BATCH NO.	20240310
QUANTITY	750 KGS	DATE OF MANUFACTURE	2024.03.10
SPECIFICATION	USP32	RE-TEST DATE:	2026.03.09
Sampling date:	2024.03.10	Report date:	2024.03.12

ITEM	Standards	RESULT
Appearance	White-like Crystalline powder	Conforms
Specific Rotation	- 29.4° ~ -32.8°	-31.0°
PH	5.5~7.0	5.74
Loss on drying	≤0.30%	0.05%
Residue on ignition	≤0.1%	0.05%
Chloride	≤0.05%	<0.05%
Sulfate	≤0.03%	<0.03%
Iron	≤0.003%	<0.003%
Heavy Metals	≤0.0015%	<0.0015%
Assay(dried basis)	98.5~101.0%	99.32%

Conclusion: This product conforms to USP32 standard.

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

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Authorized Signature(s)

AT-585-100
306127 HAA
APROBADO
02.07.2024.

REF: PT-25222-777 LOTE 319518