

SUNNY CHEMGROUP CO., LIMITED

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

(TAX ID: 6248141400012176)

Certificate of analysis

INVOICE NO.:TTSFC377/21

PO No.:6321

SAMPLE NAME	L-Cystine	BATCH NO.	20220108
QUANTITY	500 KGS	DATE OF MANUFACTURE	2022.01.08
SPECIFICATION	AJI92	EXP.DATE:	2025.01.07

ITEM	Standards	RESULT
Appearance	White crystalline powder	Conforms
Assay	98.5~101.5%	99.6%
Transmittance	≥98.0%	99.2%
Specific Rotation	-215° ~ -225°	-218.3°
Chloride	≤0.020%	<0.02%
Loss on drying	≤0.20%	0.10%
Residue on ignition (sulphated)	≤0.10%	0.06%
PH	5.0-6.5	6.1
Heavy Metals	≤10ppm	<5ppm
Ammonium	≤0.020%	<0.02%
Sulfate	≤0.020%	<0.02%
Iron	≤10ppm	<2ppm
Arsenic	≤1ppm	<1ppm
Other Amino Acids	Chromatographically not detectable	Conforms

Conclusion: This product conforms to AJI92 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)