

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

CERTIFICATE OF ANALYSIS

PO.: 6697

INVOICE NO.:TTSFC564/23

Name of product: L-Carnitine Base Quantity:100KG
 Common name: L- CARNITINE
 Chemical name: gamma trimethyl beta hydroxybutyrobetaine
 CAS-NO.: 541-15-5
 Check foundation: Current USP Packing:25KG DRUM
 Batch No: 10100120230806 Date of manufacturing:Aug.02,2023
 Date of Re-test: Aug.01,2025

Check Item	Check Indicatrix	Check Results	Method
Identification	IR or Chemical Method	Positive	USP
Appearance	White Crystals or White Crystalline Powder	CONFORM	Organoleptic
Appearance of Solution	Clear and colourless	Clear and colourless	Ph.Eur.
Specific rotation	-29.0~-32.0°	-31.32°	USP
PH	5.5~9.5	7.01	USP
Loss on drying	≤0.5%	0.36%	USP
Assay	97.0~103.0%	99.58%	USP
Residue On Ignition	≤0.1%	0.05%	USP
D-Carnitine	≤0.2%	0.07%	HPLC
Residue Solvents: Ethanol	≤5000ppm	CONFORM	USP
Chloride	≤0.4%	<0.4%	USP
Sodium	≤0.1%	<0.1%	USP
Potassium	≤0.2%	<0.2ppm	USP
Heavy metal	≤10ppm	<10ppm	USP
Arsenic	≤1ppm	<1ppm	USP
Cyanide	Absent	Absent	Ch.P
Lead	≤3ppm	<3ppm	USP
Merury	≤0.1ppm	<0.1ppm	USP
Cadmium	≤1ppm	<1ppm	USP
Total Plate count	≤1000cfu/g	30cfu/g	USP
Yeast & Mold	≤100cfu/g	10cfu/g	USP
E.Coli	Negative	Negative	USP
Salmonella	Negative	Negative	USP
Conclusion: We certify that this batch of L-Carnitine conforms to the current USP			

APROBADO
 AC-006-100
 NOTE: 305970

REF: PT-25231-777 317228