Certificate Of Analysis

NO:042-S59-TSX

Peptide Name	L-Carnitine		
Molecular Formula	C7H15NO3	**Manufacturing**	2026/08/18
Molecular Weight	161.20 g/mol	**Report Date**	2026/08/23
CAS No.	541-15-1	**Re-test Date**	2028/08/18
Appearance	White Crystalline Powder, Hygroscopic	**Packing size**	1Kg/bag
Reference Standard	Enterprise Standard	**Storage conditions**	Store at -20°C in an airtight, light-resistant container (long -term)
Sequence	N/A		

Tests	Specifications	Results
Assay / Purity	98.0% - 102.0%	99.4%
Specific Rotation	-29.0° ~ -32.0°	-30.5°
Water Content	≤ 0.5%	0.18%
Residue on Ignition	≤ 0.1%	0.04%
Heavy Metals	≤ 10 ppm	< 10 ppm
Arsenic (As)	≤ 1 ppm	< 1 ppm
pH Value	5.5 ~ 6.5	6.1
Conclusion	The batch complies with Enterprise Standard.	

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

Analyst: Warden Zhao **QC Director:** Melker Zhu **Checker**： Bowen Yang