

L-Carnitine

Metabolic & Longevity • 600mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	L-Carnitine	Batch / Lot no.	GP26-2119
Category	Metabolic & Longevity	Strength	600mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	1930.8 m/z	[M+H] ⁺ theoretical	1930.8 m/z
[M+2H] ²⁺ observed	965.9 m/z	Mass deviation	+0.0 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	99.9 % (area normalisation)	Content, % of label claim	100.5 %
Measured content	603 mg/vial (label claim 600mg)		

4. ANALYTICAL DATA

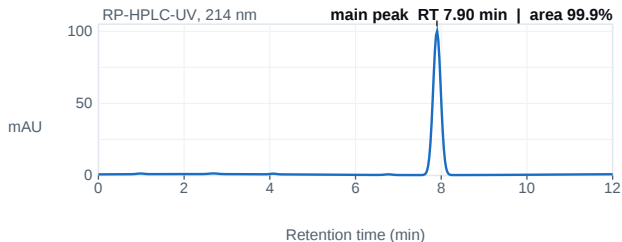


Fig. 1 — HPLC chromatogram; main peak 7.90 min, 99.9% area.

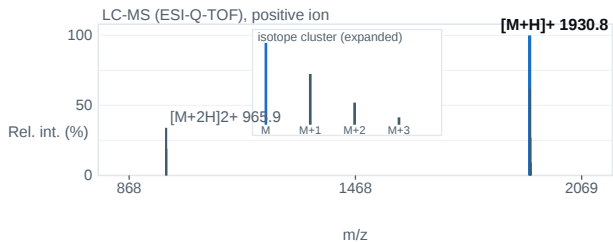


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 1930.8 m/z.

RESULT

PASS — Identity conforms; chromatographic purity 99.9%

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. K. Yamamoto	Approved (QA)	Dr. P. Achebe
Date of test	28 August 2026	Date of manufacture	13 August 2026
Expiry	13 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2119**

Verification key: **LPG8-MRCP**

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Enter the report ID and verification key on the page above, or scan the QR code, to confirm this certificate is genuine.



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