

L-Carnitine

Metabolic & Longevity • 1000mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	L-Carnitine	Batch / Lot no.	GP26-2118
Category	Metabolic & Longevity	Strength	1000mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3718.0 m/z	[M+H] ⁺ theoretical	3718.2 m/z
[M+2H] ²⁺ observed	1859.6 m/z	Mass deviation	-0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.2 % (area normalisation)	Content, % of label claim	101.0 %
Measured content	1010 mg/vial (label claim 1000mg)		

4. ANALYTICAL DATA

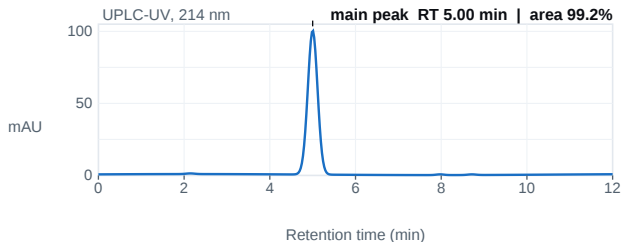


Fig. 1 — UPLC chromatogram; main peak 5.00 min, 99.2% area.

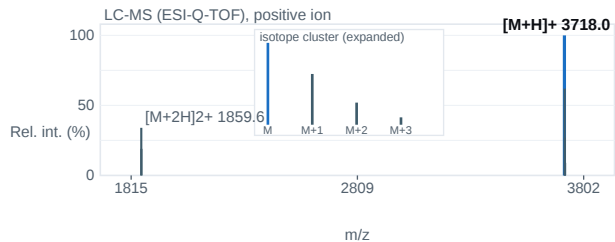


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3718.0 m/z.

RESULT

PASS — Identity conforms; chromatographic purity 99.2%

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. E. Vasquez	Approved (QA)	Dr. H. Bergström
Date of test	6 September 2026	Date of manufacture	20 August 2026
Expiry	20 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2118**

Verification key: **G2AK-7A3D**

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