

AICAR

Metabolic & Longevity • 50mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	AICAR	Batch / Lot no.	GP26-2002
Category	Metabolic & Longevity	Strength	50mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3346.3 m/z	[M+H] ⁺ theoretical	3346.6 m/z
[M+2H] ²⁺ observed	1673.8 m/z	Mass deviation	-0.3 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.0 % (area normalisation)	Content, % of label claim	101.0 %
Measured content	50.5 mg/vial (label claim 50mg)		

4. ANALYTICAL DATA

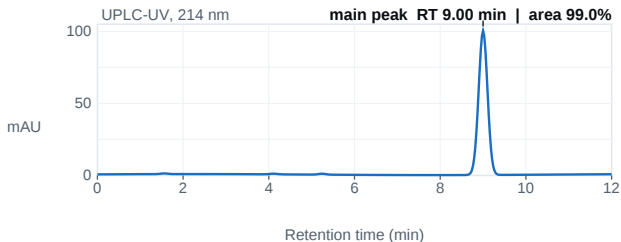


Fig. 1 — UPLC chromatogram; main peak 9.00 min, 99.0% area.

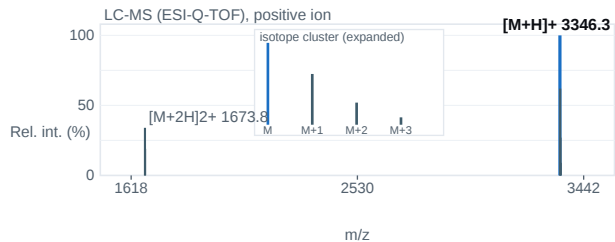


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3346.3 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.0%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. L. Chen	Approved (QA)	Dr. P. Achebe
Date of test	1 September 2026	Date of manufacture	16 August 2026
Expiry	16 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2002**

Verification key: **LJAN-8VVE**

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