

AICAR

Metabolic & Longevity • 100mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	AICAR	Batch / Lot no.	GP26-2001
Category	Metabolic & Longevity	Strength	100mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	2132.0 m/z	[M+H] ⁺ theoretical	2131.8 m/z
[M+2H] ²⁺ observed	1066.4 m/z	Mass deviation	+0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	99.8 % (area normalisation)	Content, % of label claim	98.6 %
Measured content	98.6 mg/vial (label claim 100mg)		

4. ANALYTICAL DATA

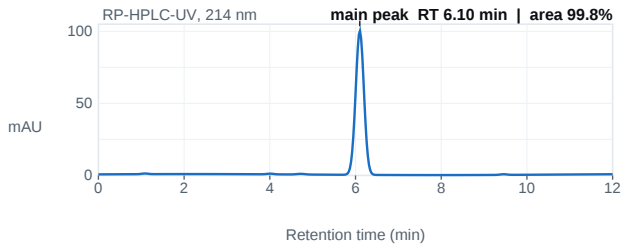


Fig. 1 — HPLC chromatogram; main peak 6.10 min, 99.8% area.

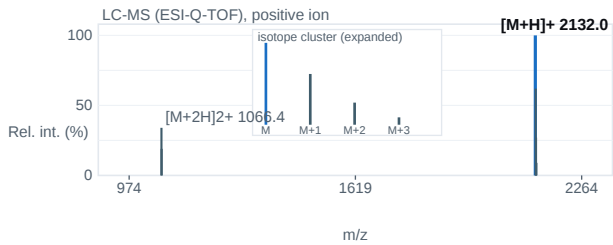


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 2132.0 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.8%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. S. Patel	Approved (QA)	Dr. H. Bergström
Date of test	21 August 2026	Date of manufacture	6 August 2026
Expiry	6 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2001**

Verification key: **28YY-GCJ6**

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