

LL-37 Antimicrobial Peptide

Repair & Recovery • 10mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	LL-37 Antimicrobial Peptide	Batch / Lot no.	GP26-2084
Category	Repair & Recovery	Strength	10mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	1717.9 m/z	[M+H] ⁺ theoretical	1718.5 m/z
[M+2H] ²⁺ observed	859.8 m/z	Mass deviation	-0.6 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.4 % (area normalisation)	Content, % of label claim	100.6 %
Measured content	10.06 mg/vial (label claim 10mg)		

4. ANALYTICAL DATA

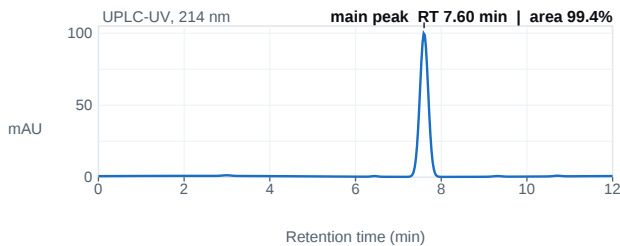


Fig. 1 — UPLC chromatogram; main peak 7.60 min, 99.4% area.

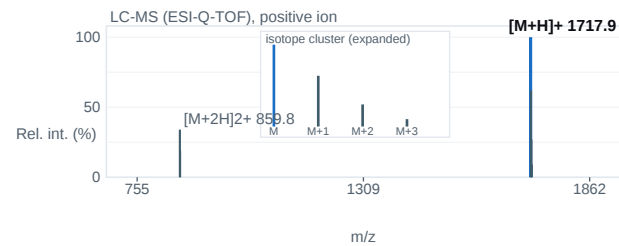


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 1717.9 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.4%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. K. Yamamoto	Approved (QA)	Dr. N. Kowalski
Date of test	3 September 2026	Date of manufacture	14 August 2026
Expiry	14 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2084**

Verification key: **852X-U52C**

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