

LL-37 Antimicrobial Peptide

Repair & Recovery • 5mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	LL-37 Antimicrobial Peptide	Batch / Lot no.	GP26-2085
Category	Repair & Recovery	Strength	5mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3591.4 m/z	[M+H] ⁺ theoretical	3591.3 m/z
[M+2H] ²⁺ observed	1796.2 m/z	Mass deviation	+0.1 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	98.6 % (area normalisation)	Content, % of label claim	100.1 %
Measured content	5 mg/vial (label claim 5mg)		

4. ANALYTICAL DATA

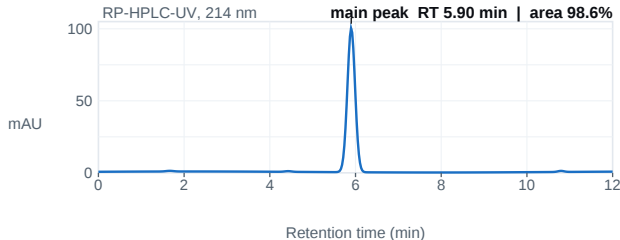


Fig. 1 — HPLC chromatogram; main peak 5.90 min, 98.6% area.

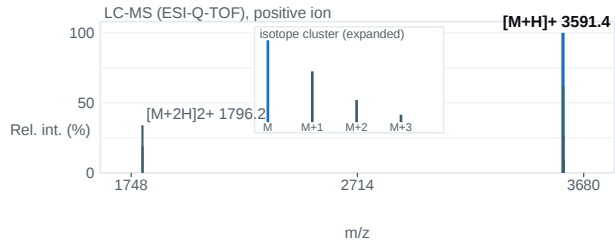


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3591.4 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 98.6%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. S. Patel	Approved (QA)	Dr. H. Bergström
Date of test	26 August 2026	Date of manufacture	11 August 2026
Expiry	11 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2085**

Verification key: **6653-VCDK**

puralytix.com/report-verification

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



Scan to verify

Puralytix Analytical Laboratories provides independent analytical testing and informational reports only. This certificate relates solely to the sample identified above and to the test methods stated. Results are subject to the inherent limitations and detection thresholds of the methods used. Puralytix does not provide medical, dosing, sourcing, legal or consumption advice, and no result implies that any substance is safe, approved, lawful or suitable for human use. **For research use only.** Clients are responsible for complying with the laws of their own jurisdiction. This document may not be reproduced except in full.

Puralytix Analytical Laboratories — 71 Vazha-Pshavela Avenue, Block 2, Saburtalo District, 0186 Tbilisi, Georgia • PLX-202608-50085