

MGF (Mechano Growth Factor) 2mg

Growth Hormone & IGF • 2mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	MGF (Mechano Growth Factor) 2mg	Batch / Lot no.	GP26-2104
Category	Growth Hormone & IGF	Strength	2mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3770.4 m/z	[M+H] ⁺ theoretical	3770.3 m/z
[M+2H] ²⁺ observed	1885.7 m/z	Mass deviation	+0.1 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.9 % (area normalisation)	Content, % of label claim	99.3 %
Measured content	1.99 mg/vial (label claim 2mg)		

4. ANALYTICAL DATA

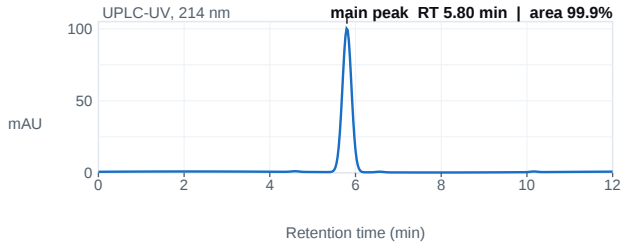


Fig. 1 — UPLC chromatogram; main peak 5.80 min, 99.9% area.

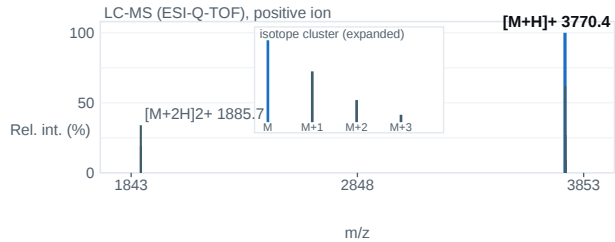


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3770.4 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.9%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. E. Vasquez	Approved (QA)	Dr. P. Achebe
Date of test	1 September 2026	Date of manufacture	17 August 2026
Expiry	17 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2104**

Verification key: **B5YU-BSDQ**

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