

Somatropin HGH 191-AA Research Kits (with Bacteriostatic Water)

Growth Hormone & IGF • 60 IU Kit (10×6iu) • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Somatropin HGH 191-AA Research Kits (with Bacteriostatic Water)	Batch / Lot no.	GP26-2161
Category	Growth Hormone & IGF	Strength	60 IU Kit (10×6iu)
Presentation	Research Kit	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	1542.9 m/z	[M+H] ⁺ theoretical	1543.1 m/z
[M+2H] ²⁺ observed	772.1 m/z	Mass deviation	-0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	99.3 % (area normalisation)	Content, % of label claim	99.8 %

4. ANALYTICAL DATA

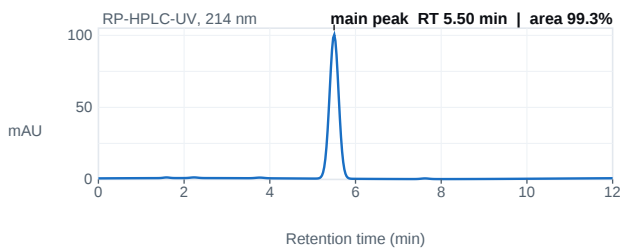


Fig. 1 — HPLC chromatogram; main peak 5.50 min, 99.3% area.

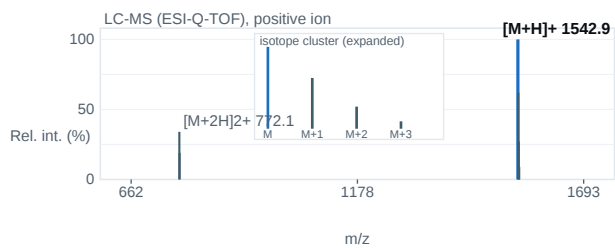


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 1542.9 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.3%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. K. Yamamoto	Approved (QA)	Dr. P. Achebe
Date of test	26 August 2026	Date of manufacture	9 August 2026
Expiry	9 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2161**

Verification key: **Z9FQ-Y8P5**

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