

HCG (Human Chorionic Gonadotropin)

Reproductive & Hormone • 5000 IU • Research Use Only

1. SAMPLE IDENTIFICATION

Product	HCG (Human Chorionic Gonadotropin)	Batch / Lot no.	GP26-2083
Category	Reproductive & Hormone	Strength	5000 IU
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3515.5 m/z	[M+H] ⁺ theoretical	3515.6 m/z
[M+2H] ²⁺ observed	1758.3 m/z	Mass deviation	-0.1 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	98.7 % (area normalisation)	Content, % of label claim	101.1 %

4. ANALYTICAL DATA

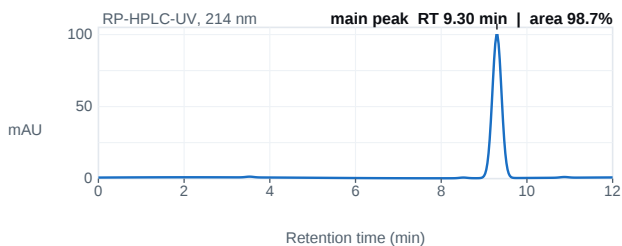


Fig. 1 — HPLC chromatogram; main peak 9.30 min, 98.7% area.

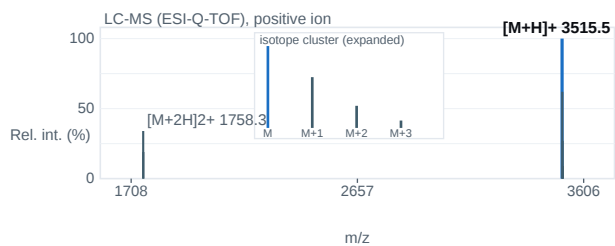


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3515.5 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 98.7%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. E. Vasquez	Approved (QA)	Dr. P. Achebe
Date of test	26 August 2026	Date of manufacture	10 August 2026
Expiry	10 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2083**

Verification key: **8BDB-KV7R**

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