

HCG (Human Chorionic Gonadotropin)

Reproductive & Hormone • 10000 IU • Research Use Only

1. SAMPLE IDENTIFICATION

Product	HCG (Human Chorionic Gonadotropin)	Batch / Lot no.	GP26-2082
Category	Reproductive & Hormone	Strength	10000 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	3586.8 m/z	[M+H] ⁺ theoretical	3587.0 m/z
[M+2H] ²⁺ observed	1794.0 m/z	Mass deviation	-0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.5 % (area normalisation)	Content, % of label claim	98.7 %

4. ANALYTICAL DATA

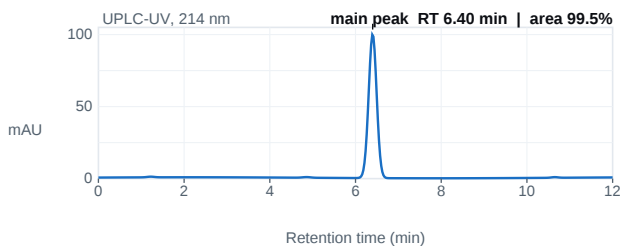


Fig. 1 — UPLC chromatogram; main peak 6.40 min, 99.5% area.

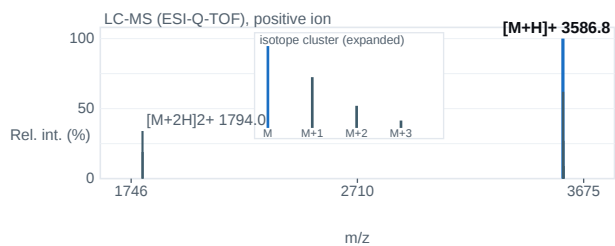


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3586.8 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.5%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. R. Okonkwo	Approved (QA)	Dr. H. Bergström
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: **GP26-2082**

Verification key: **68T9-2WWN**

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