

Oxytocin

Cognitive & Neurological • 10mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Oxytocin	Batch / Lot no.	GP26-2071
Category	Cognitive & Neurological	Strength	10mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3080.0 m/z	[M+H] ⁺ theoretical	3080.2 m/z
[M+2H] ²⁺ observed	1540.6 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	101.3 %
Measured content	10.13 mg/vial (label claim 10mg)		

4. ANALYTICAL DATA

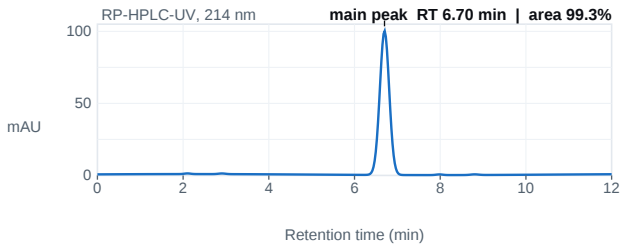


Fig. 1 — HPLC chromatogram; main peak 6.70 min, 99.3% area.

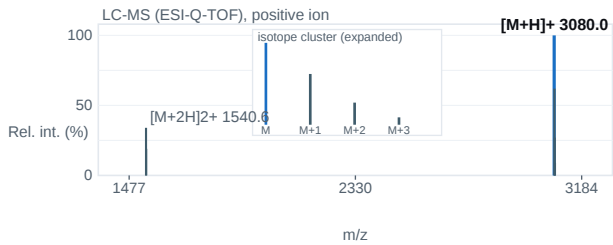


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3080.0 m/z.

RESULT

PASS — Identity conforms; chromatographic purity 99.3%

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. S. Patel	Approved (QA)	Dr. P. Achebe
Date of test	26 August 2026	Date of manufacture	7 August 2026
Expiry	7 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2071**

Verification key: **P94W-9NFM**

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