

Oxytocin

Cognitive & Neurological • 2mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Oxytocin	Batch / Lot no.	GP26-2073
Category	Cognitive & Neurological	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	1254.0 m/z	[M+H] ⁺ theoretical	1254.4 m/z
[M+2H] ²⁺ observed	627.7 m/z	Mass deviation	-0.4 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	HPLC	Method	RP-HPLC-UV, 214 nm
Chromatographic purity	99.2 % (area normalisation)	Content, % of label claim	100.3 %
Measured content	2.01 mg/vial (label claim 2mg)		

4. ANALYTICAL DATA

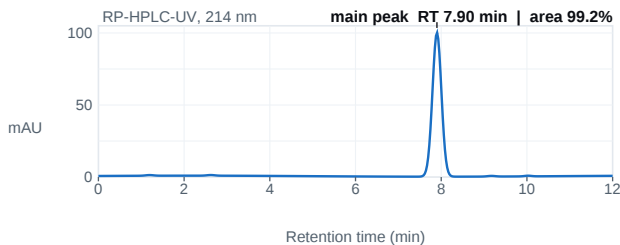


Fig. 1 — HPLC chromatogram; main peak 7.90 min, 99.2% area.

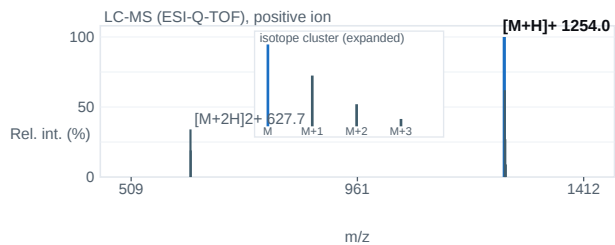


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 1254.0 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.2%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. M. Hassan	Approved (QA)	Dr. H. Bergström
Date of test	27 August 2026	Date of manufacture	9 August 2026
Expiry	9 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2073**

Verification key: **97JM-G93R**

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