

Puralytix Analytical Laboratories

Independent third-party analytical laboratory

ISO/IEC 17025:2017 (ref. PLX-UKAS-8847)

Oxytocin

Cognitive & Neurological • 5mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Oxytocin	Batch / Lot no.	GP26-2072
Category	Cognitive & Neurological	Strength	5mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	3990.1 m/z	[M+H] ⁺ theoretical	3990.3 m/z
[M+2H] ²⁺ observed	1995.7 m/z	Mass deviation	-0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	98.5 % (area normalisation)	Content, % of label claim	100.8 %
Measured content	5.04 mg/vial (label claim 5mg)		

4. ANALYTICAL DATA

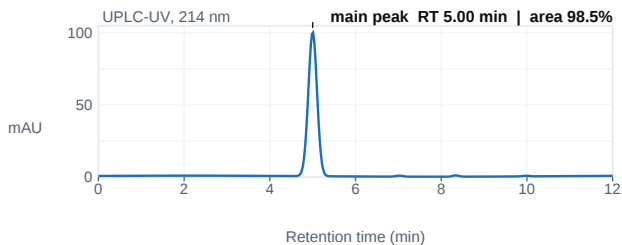


Fig. 1 — UPLC chromatogram; main peak 5.00 min, 98.5% area.

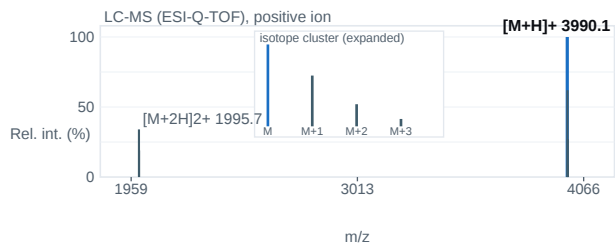


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3990.1 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 98.5%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. L. Chen	Approved (QA)	Dr. N. Kowalski
Date of test	3 September 2026	Date of manufacture	18 August 2026
Expiry	18 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2072**

Verification key: **BSFQ-N8L5**

puralytix.com/report-verification

Enter the report ID and verification key on the page above, or scan the QR code, to confirm this certificate is genuine.



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