

Melatonin 10mg

Cosmetic & Skin • 10mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	Melatonin 10mg	Batch / Lot no.	GP26-2046
Category	Cosmetic & Skin	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	3910.0 m/z	[M+H] ⁺ theoretical	3910.6 m/z
[M+2H] ²⁺ observed	1955.8 m/z	Mass deviation	-0.6 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	99.8 % (area normalisation)	Content, % of label claim	99.3 %
Measured content	9.93 mg/vial (label claim 10mg)		

4. ANALYTICAL DATA

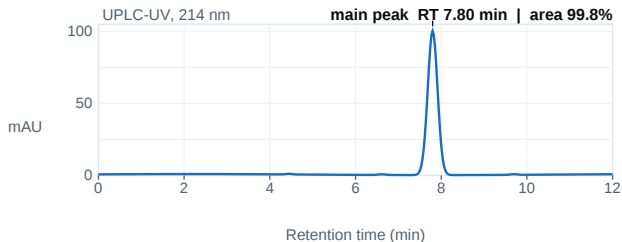


Fig. 1 — UPLC chromatogram; main peak 7.80 min, 99.8% area.

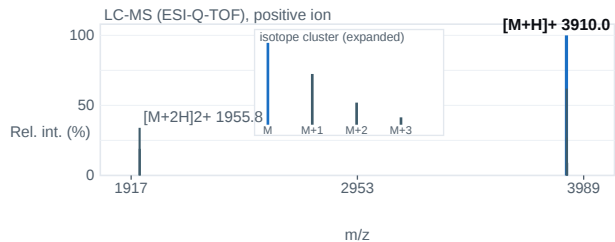


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 3910.0 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 99.8%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. A. Novak	Approved (QA)	Dr. H. Bergström
Date of test	31 August 2026	Date of manufacture	15 August 2026
Expiry	15 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2046**

Verification key: **BBD9-NYJN**

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