

AHK-Cu

Repair & Recovery • 50mg • Research Use Only

1. SAMPLE IDENTIFICATION

Product	AHK-Cu	Batch / Lot no.	GP26-2008
Category	Repair & Recovery	Strength	50mg
Presentation	Research Vial	Dosage form	Lyophilised Powder

2. IDENTITY CONFIRMATION

Method	LC-MS (ESI-Q-TOF)	Result	Conforms to reference standard
[M+H] ⁺ observed	2441.8 m/z	[M+H] ⁺ theoretical	2442.0 m/z
[M+2H] ²⁺ observed	1221.5 m/z	Mass deviation	-0.2 Da

3. PURITY AND QUANTITATIVE CONTENT

Technique	UPLC	Method	UPLC-UV, 214 nm
Chromatographic purity	98.7 % (area normalisation)	Content, % of label claim	100.9 %
Measured content	50.45 mg/vial (label claim 50mg)		

4. ANALYTICAL DATA

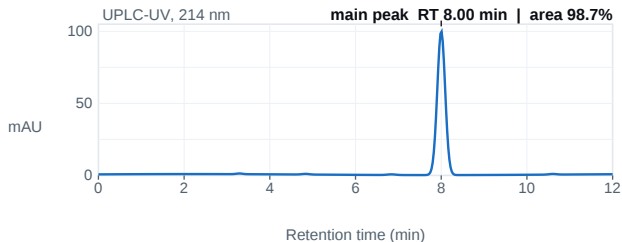


Fig. 1 — UPLC chromatogram; main peak 8.00 min, 98.7% area.

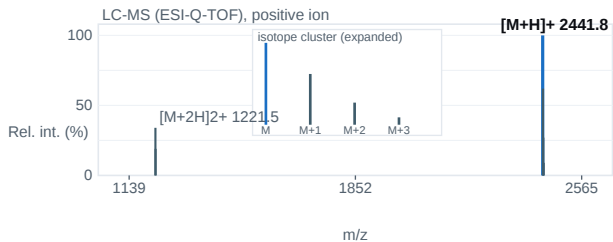


Fig. 2 — ESI-Q-TOF mass spectrum; base peak [M+H]⁺ 2441.8 m/z.

RESULT **PASS — Identity conforms; chromatographic purity 98.7%**

5. AUTHORISATION AND VERIFICATION

Analyst	Dr. S. Patel	Approved (QA)	Dr. P. Achebe
Date of test	21 August 2026	Date of manufacture	4 August 2026
Expiry	4 August 2029	Laboratory	Puralytix Analytical Laboratories

Verify this certificate

Report ID: **GP26-2008**

Verification key: **9VA5-YPDM**

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