

Certificate of Analysis

REPORTED September 16, 2026

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Lab ID: **AMQ-024**

END CUSTOMER

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§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	AMQ-024	Received:	09/04/2026
Compound:	5-Amino-1MQ	Analyzed:	09/16/2026
Report No.:	COA-2026-SC-02586	CAS:	42464-96-0
Total Mass:	68.4 mg	Formula:	C₁₀H₁₁N₂I
Appearance:	Lyophilized powder	Mol Weight:	286.1 g/mol

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)

	SPECIFICATION	RESULT	STATUS
Compound Test:	5-Amino-1MQ	5-Amino-1MQ	
		Q	
Net Peptide Content:	10.00 mg	12.95 mg	PASS
Peptide Fill Accuracy:	≥ 90 %	129.5 %	
Chromatographic Purity:	≥ 98 %	99.6 %	

SAMPLE PHOTOGRAPH



Peptide fill accuracy is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

Chromatographic purity is the target peptide's concentration as a percentage of the total peptide concentration measured — the target peptide against the other trace peptides detected in the same sample. It reflects peptide-related impurities only; it does not measure salts, excipients, or water, and is separate from net peptide content (the actual mg of peptide). — means not determined.

§ 03 HPLC-MS/MS Detail

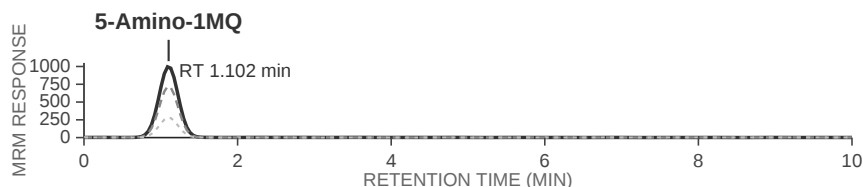
METHOD A · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

PRECURSOR [M+H]⁺

159.09 Da

Quantifier transition ● MRM

159.09 > 142.07 CE 28 V



ROLE	TRANSITION	CE
● Quantifier	159.1 > 142.1	28 V
■ Qualifier	159.1 > 132.1	28 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 μm · Solvent A: 0.1 % formic acid in H₂O · Solvent B: 0.1 % formic acid in Acetonitrile

DISCLAIMER · RESEARCH USE ONLY

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