



PRODUCT IDENTIFICATION

HPLC-UV coupled with LC-MS/MS, standard laboratory conditions

Compound Name	5-Amino-1MQ	CAS No.	685079-15-6
Molecular Formula	C10H11N2	Molecular Weight	159.21 g/mol
Appearance	Orange Lyophilized Powder	Compound Concentration	50mg

SAMPLE IDENTIFICATION

Client-supplied, verified at intake

Container Size	3ml Glass Vial	Cap Color	Blue
Crimp / Seal Color	Silver		
Product Company	RENOVIDA RESEARCH LLC		



MOLECULAR STRUCTURE



CLIENT SAMPLE PHOTO

ANALYTICAL RESULTS

Test	Specification	Result	Status
Purity (HPLC)	$\geq 90.0\%$	99.92%	PASS
Mass Identification (LC-MS/MS)	Conforms to declared compound	5-Amino-1MQ	PASS
Net Compound Content	$\geq 90\%$ of 50 mg	52.61 mg	PASS
Water Content (Karl Fischer)	$\leq 10.0\%$	5.93%	PASS
Acetate Content (HPLC)	$< 12.0\%$	4.01%	PASS
Heavy Metals (ICP-MS)	< 10 ppm	Not Detected	PASS
Bacterial Endotoxins (LAL)	< 5 EU/mg	Not Detected	PASS
Sterility (RMM)	USP <71>	Not Tested	-
Mass Balance	95.0 – 105.0%	Conforms	PASS

ANALYST NOTES

Four individual RUO vials were evaluated for net content. The measured results were 49.97 mg, 52.88 mg, 53.41 mg, and 54.18 mg, producing an average net content of 52.61 mg per vial. Three of the four vials met or exceeded the stated 50.00 mg per vial specification. One vial measured 49.97 mg, which is 0.03 mg below the stated specification. The overall sample average exceeded the stated 50.00 mg target.

INSTRUMENT DATA

Traces behind the results above

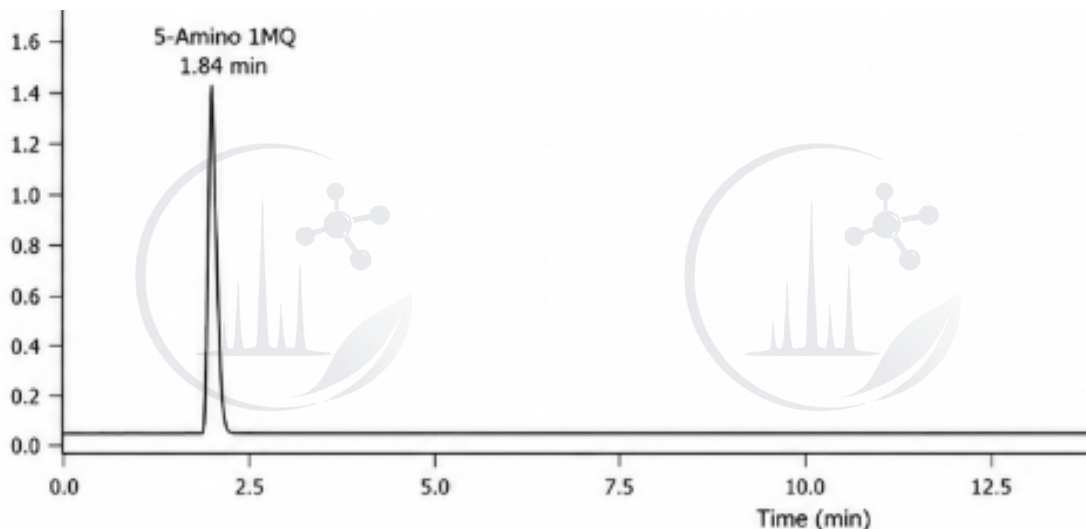


FIGURE 1 — CHROMATOGRAPHIC DATA (HPLC-UV)

Lee Adams

Lee Adams
Lab Director

COA: PMS-0689058792

The analysis reported herein was conducted using HPLC-UV and LC-MS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample(s) provided. The compounds tested are intended for research use only and are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications. Results should be interpreted by qualified professionals within the scope of the intended research. The accuracy and reliability of the test may be influenced by sample integrity, handling, and other experimental variables. The sample image included in this Certificate of Analysis was provided by the client during intake. For research use only.



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