FREEDOM DIAGNOSTICS

Certificate of Analysis

FreedomDiagnosticsTesting.com

Admin@FreedomDiagnostics.net



Client:	Beltrix
Accession #:	2609040509
Search Code:	Belt2609040509
Received:	09/04/2026
Reported:	9/7/2026
Lot:	AM989375

Sample Summary

Product:	5-Amino-1MQ 5mg	**Purity:**	Vial 1: 99.72% Vial 2: 99.79% Vial 3: 99.57%
Identity:	Confirmed	**Net Content:**	Vial 1: 5.23 mg Vial 2: 5.31 mg Vial 3: 5.01 mg
Appearance:	Orange Lyophilized Powder		
Microbial Analysis (PCR):	Pass		
Elemental Impurities (ICP-MS): As | Cd | Pb | Hg	Pass		

Analytical Results

Test	Result
Identity (LC-MS)	5-Amino 1MQ
Purity (HPLC-UV)	99.69%
Net Content	5.18 mg

Analytical Results

Test	Result
Elemental Impurities (ICP-MS):	Pass — Arsenic, Cadmium, Lead, and Mercury below reporting/specification limits

Method: Microbial detection performed using validated polymerase chain reaction (PCR)-based assay targeting common microbial contaminants.

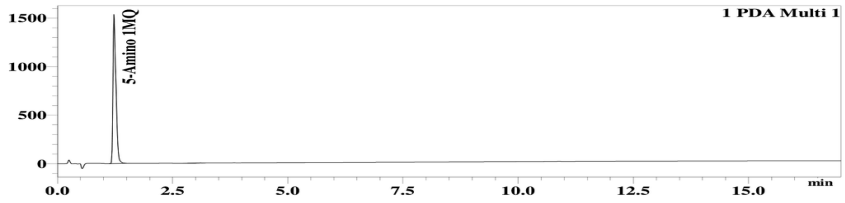
Microbial Analysis (PCR) No Detectable Microbial DNA

Method: Endotoxin testing performed using Limulus Amebocyte Lysate assay in accordance with USP <85> under validated laboratory conditions.

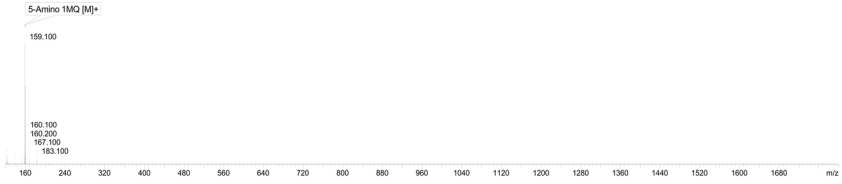
Endotoxin Replicate 1:	Pass	Assay Sensitivity: ≤0.05 EU/mL
Endotoxin Replicate 2:	Pass	Assay Sensitivity: ≤0.05 EU/mL

Method: HPLC with UV detection coupled with mass spectrometry (LC-MS).

Chromatogram



Mass Confirmation



Alex Johnson

Principal Chemist

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Proudly Owned and Operated in the USA

The peptide purity analysis reported here was conducted using LCMS/MS under standard laboratory conditions. This analysis is intended for informational purposes only and is specific to the sample (s) provided. The peptides 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.

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Client:	Beltrix
Accession #:	2609040565
Search Code:	Belt2609040565
Received:	09/04/2026
Reported:	9/7/2026
Lot:	AM543406

Sample Summary

Product:	5-Amino-1MQ 50mg	**Purity:**	Vial 1: 99.48% Vial 2: 99.61% Vial 3: 99.56%
Identity:	Confirmed	**Net Content:**	Vial 1: 50.68 mg Vial 2: 46.16 mg Vial 3: 49.17 mg
Appearance:	Orange Lyophilized Powder		
Microbial Analysis (PCR):	Pass		
Elemental Impurities (ICP-MS): **As | Cd | Pb | Hg**	Pass		

Analytical Results

Test	Result
Identity (LC-MS)	5-Amino 1MQ
Purity (HPLC-UV)	99.55%
Net Content	48.67 mg

Analytical Results

Test	Result	
Elemental Impurities (ICP-MS):	Pass — Arsenic, Cadmium, Lead, and Mercury below reporting/specification limits	

Method: Microbial detection performed using validated polymerase chain reaction (PCR)-based assay targeting common microbial contaminants.

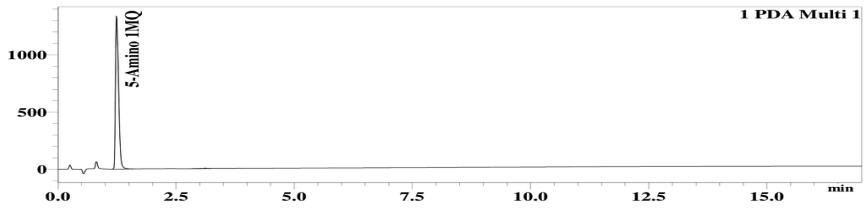
Microbial Analysis (PCR)	No Detectable Microbial DNA	

Method: Endotoxin testing performed using Limulus Amebocyte Lysate assay in accordance with USP <85> under validated laboratory conditions.

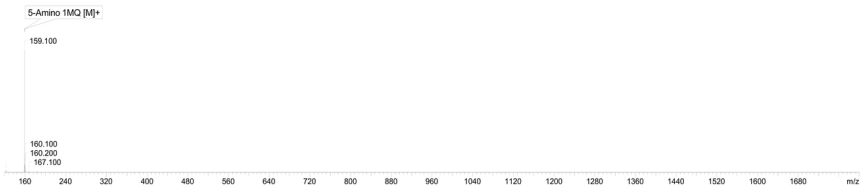
Endotoxin Replicate 1:	Pass	Assay Sensitivity: ≤0.05 EU/mL
Endotoxin Replicate 2:	Pass	Assay Sensitivity: ≤0.05 EU/mL

Method: HPLC with UV detection coupled with mass spectrometry (LC-MS).

Chromatogram



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