Certificate of Analysis

FREEDOM DIAGNOSTICS

FreedomDiagnosticsTesting.com

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Client:	PeptidePlugs.com
Accession #:	2606040004
Search Code:	Pept2606040004
Received:	06/04/2026
Reported:	06/07/2026
Lot:	222-05-GGB

Sample Summary

Product:	NAD+ MOTS-C 5-amino-1mq 120mg	**Purity:**	Vial 1: 99.88% Vial 2: 99.91%
Identity:	Confirmed	**Net Content:**	Vial 1: NAD+ – 104.22 mg 5-Amino 1MQ – 12.74 mg MOTS-C – 9.63 mg Vial 2: NAD+ – 107.17 mg 5-Amino 1MQ – 11.04 mg MOTS-C – 10.27 mg
Appearance:	Orange Lyophilized Powder		
Endotoxin Threshold:	Pass		
Microbial Analysis (PCR):	Pass		

Analytical Results

Test	**Result**
Identity (LC-MS)	5-Amino 1MQ/MOTS-C
Purity (HPLC-UV)	99.90%
Net Content Average	5-Amino 1MQ - 11.89 mg MOTS-C - 9.95 mg

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

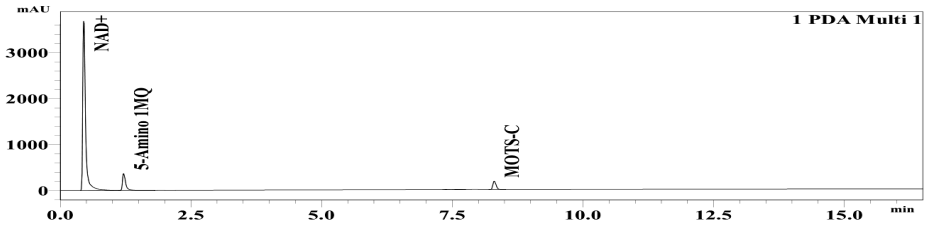
Endotoxin Replicate 1:	**Pass**	**Assay Sensitivity: ≤0.05 EU/mL**
Endotoxin Replicate 2:	**Pass**	**Assay Sensitivity: ≤0.05 EU/mL**

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

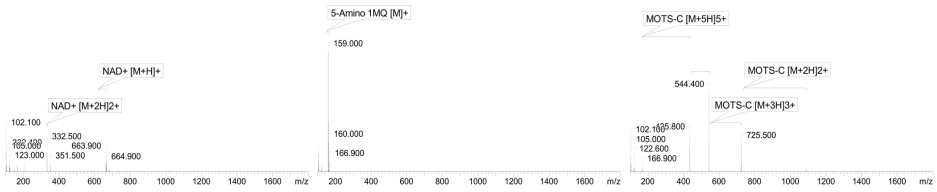
Microbial Analysis (PCR)	No Detectable Microbial DNA	Pass

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

Chromatogram



Mass Confirmation



Principal Chemist

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