



Title:

Certificate of Analysis (CoA)

Date: 4/24/2026
Date Tested: 4/12/2026
Customer: Vertex Labs
Testing material: 5-Amino-1MQ
Lot Number: AM0000042
BT Sample ID: 005000039742003
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small clear vial: orange sample, white label, silver crimp, black plastic cap.
Labeled as: 5-Amino-1MQ
Manufacturer: Vertex Labs
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.



Test	Method	Specification	Result
General Appearance	USP <630>	orange powder	orange powder
Mass	USP <41>	As recorded	62.4 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of 5-Amino-1MQ with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.3 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	14.4 mg (143.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	14.4 : 48 mg (1:3.3)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.



Andrea Castro, AS
 Scientist-II
 BTLabs



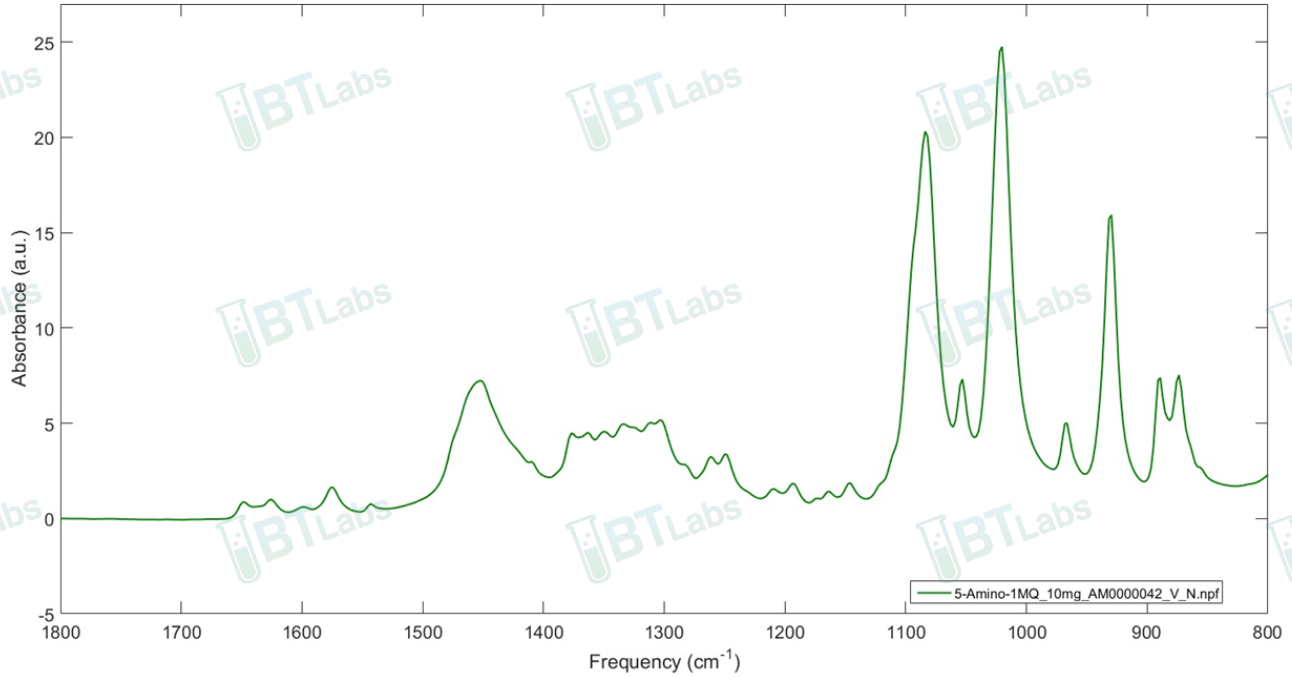
Verna Zheng, AS
 Scientist-II
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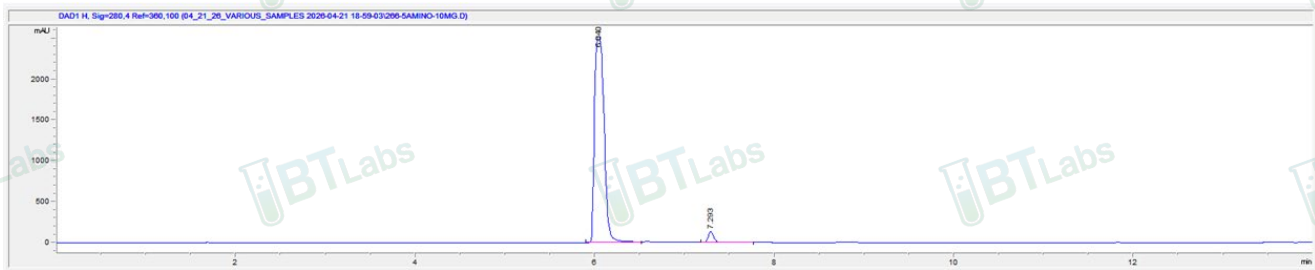
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FTIR ID and Composition Analysis: 5-Amino-1MQ Lot AM0000042



HPLC Purity and Potency Assay @ 280 nm: 5-Amino-1MQ Lot AM0000042



5-Amino-1MQ Lot AM0000042 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	6.04	18763
2	7.293	567.6