



Report #:

COA2607222-010

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Title:

Certificate of Analysis (CoA)



Date: 8/7/2026
Date Tested: 8/7/2026
Customer: Hamner Research
Testing material: B12
Lot Number: 04-2026
Content/Potency: 10 mL
Storage: R.T.
Visual Description: Large clear vial: red sample, holographic label, silver crimp, dark blue plastic cap.
Labeled as: B12
Manufacturer: N/A
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.



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Test	Method	Specification	Result
General Appearance	USP <630>	red liquid	red liquid
Mass	USP <41>	As recorded	10 mL
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 B12.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	98.8%
HPLC Potency Assay	USP <621>	Specifications: 90 – 110%	9.7 mg (97.2%)

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

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I F - 8 2 4 - Q S A - T R 0 0 6

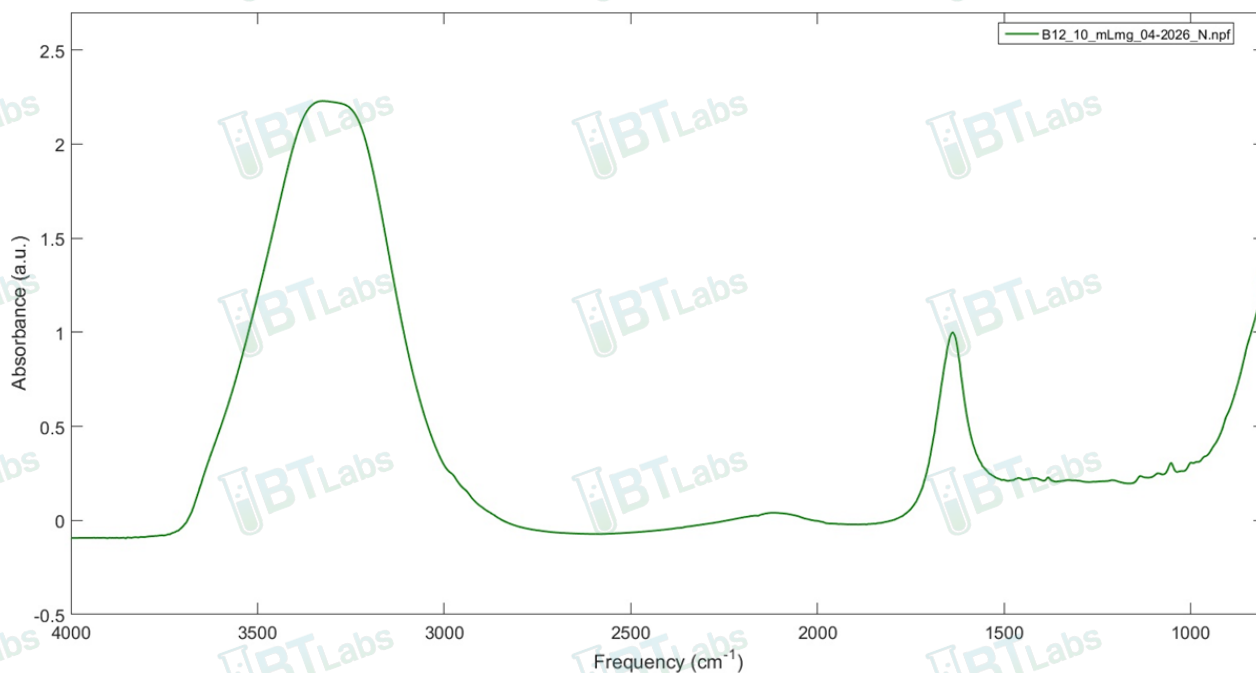
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Title:

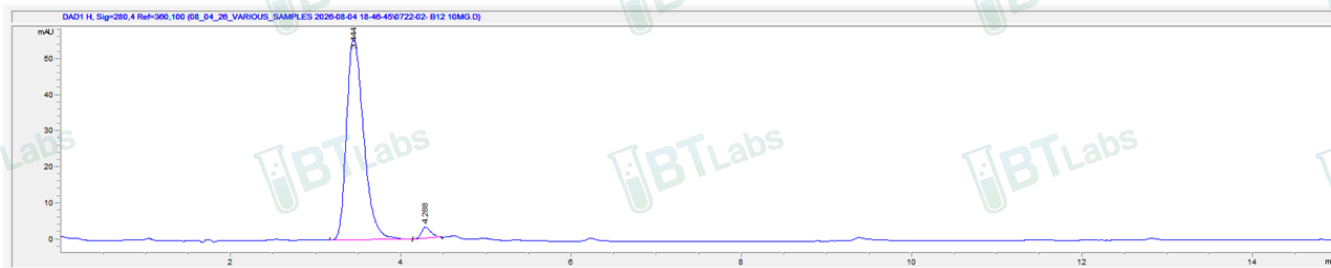
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FTIR ID and Composition Analysis: B12 Lot 04-2026



HPLC Purity and Potency Assay @ 280 nm: B12 Lot 04-2026



B12 Lot 04-2026 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	3.444	781.9