



Title:

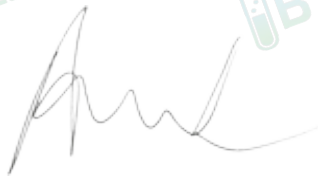
Certificate of Analysis (CoA)

Date: 4/24/2026
Date Tested: 4/26/2026
Customer: Vertex Labs
Testing material: NAD
Lot Number: NAD000000030
BT Sample ID: 005000039742045
Labeled Peptide Content/Potency: 1000 mg
Storage: R.T.
Visual Description: Large amber vial: white sample, white label, copper crimp, clear plastic cap.
Labeled as: NAD
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>	white powder	white powder
Mass	USP <41>	As recorded	1222.1 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 NAD with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.9%
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 1000 mg	1187.5 mg (118.7 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	1187.5 : 34.6 mg (1:0)

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



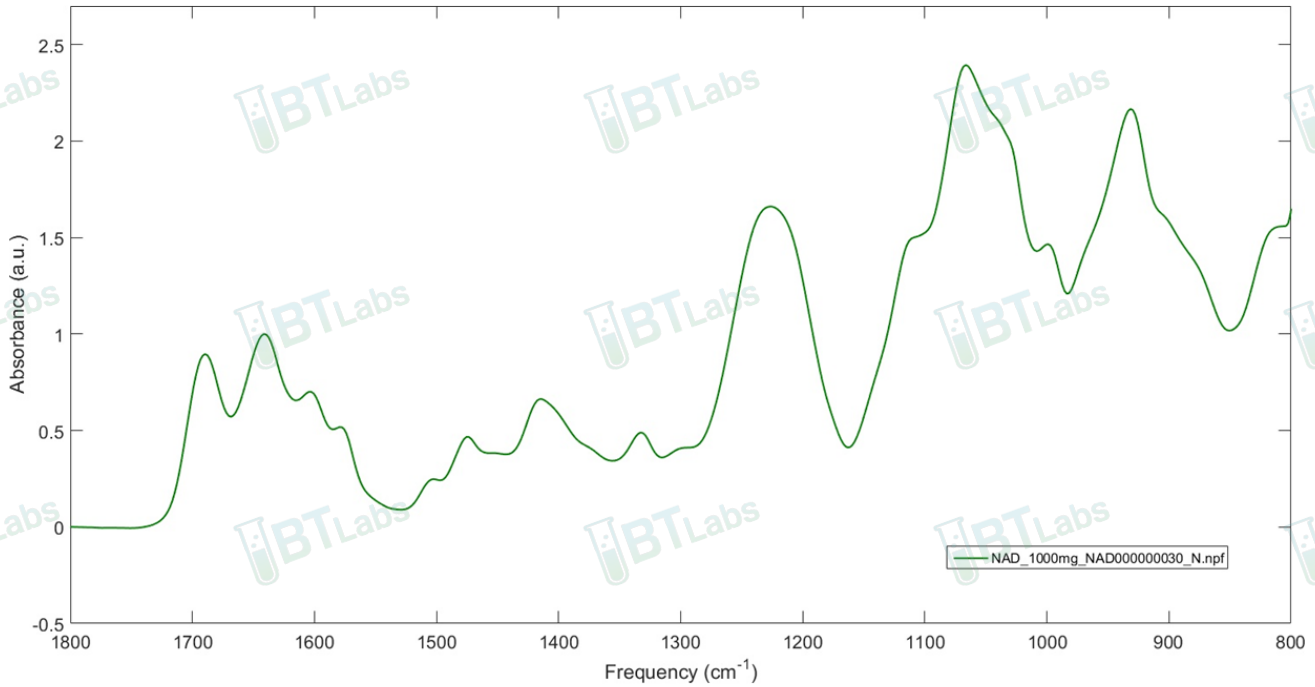
Verna Zheng, AS
Scientist-II
BTLabs



Title:

Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: NAD Lot NAD000000030



HPLC Purity and Potency Assay @ 280 nm: NAD Lot NAD000000030



NAD Lot NAD000000030 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.532	21302.4