



Title:

Certificate of Analysis (CoA)

Date: 3/9/2026
Date Tested: 3/7/2026
Customer: Peptides Optimized LLC
Testing material: NAD
Lot Number: ND3530
BT Sample ID: 005000039183066
Labeled Peptide Content/Potency: 500 mg
Storage: R.T.
Visual Description: large amber vial: white sample, pink label, silver crimp, clear plastic cap.
Labeled as: NAD
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.



Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	546.7 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: $\geq 98\%$	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 500 mg	452.2 mg (90.4 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	452.2 : 94.5 mg (1:0.2)

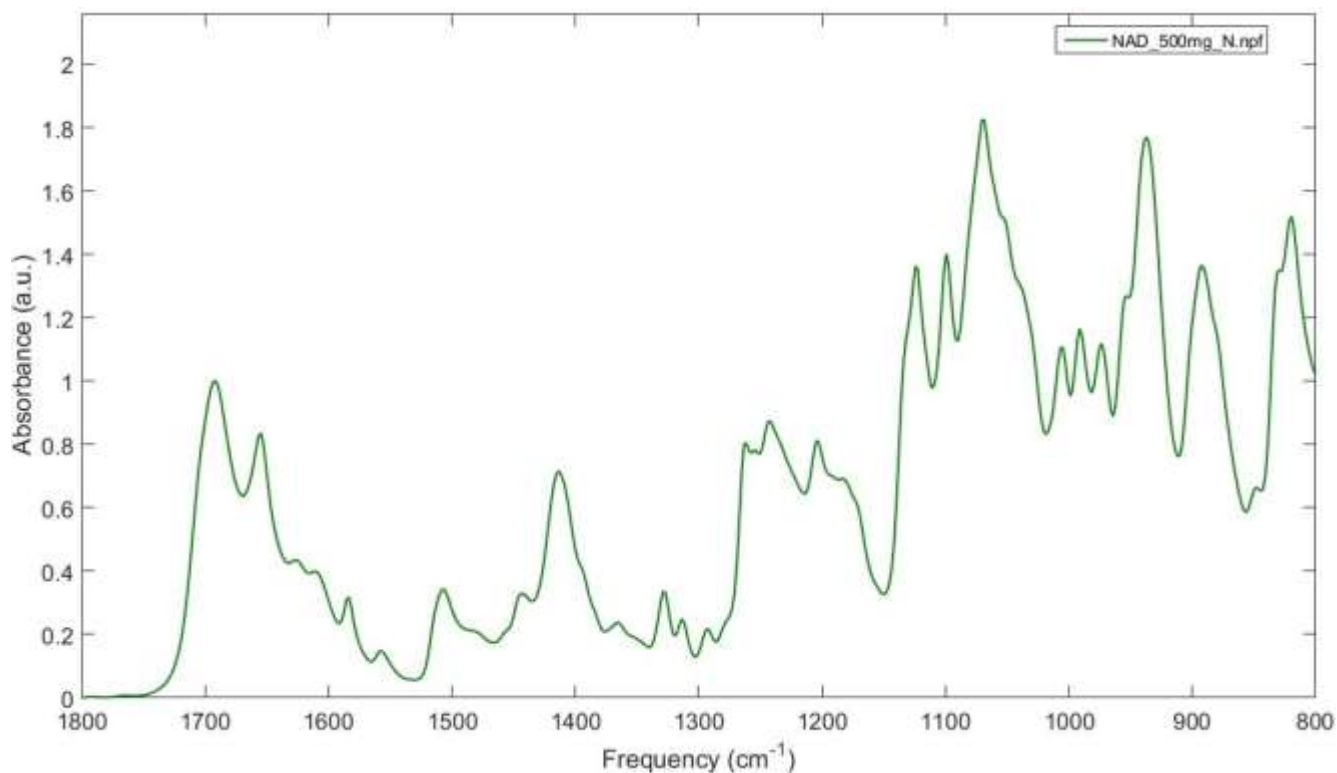
The results of the CoA relate only to the item(s) tested and applied to the sample as received.

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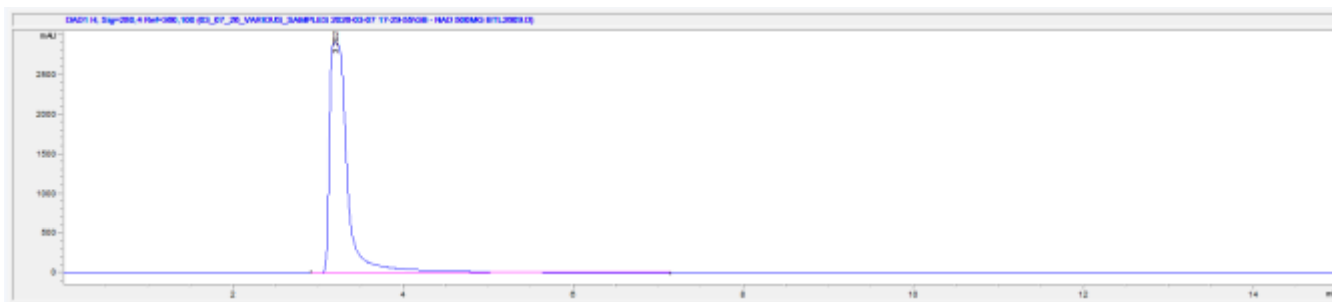
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FTIR ID and Composition Analysis: NAD Lot ND3530



HPLC Purity and Potency Assay @ 280 nm: NAD Lot ND3530



NAD Lot ND3530 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	3.202	42708