Title:

# Certificate of Analysis (CoA)

**Date:** 6/2/2026
**Date Tested:** 5/29/2026
**Customer:** Royal Peptide Labs
**Testing material:** NAD
**Lot Number:** unspecified
**BT Sample ID:** 005000040246631
**Labeled Peptide Content/Potency:** 1000 mg
**Storage:** R.T.
**Visual Description:** Large amber vial: white sample, silver holographic label, silver crimp, black 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 | 1453.2 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: ≥ 98 % | 99.8 % |
| **HPLC Potency Assay** | USP <621> | Specifications: 90 – 110% of 1000 mg | 1323.2 mg (132.3 %) |
| **Peptide-to-Excipients Ratio** | USP <1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients) | 1323.2 : 130 mg (1:0.1) |

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

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Scientist-II
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BTLabs

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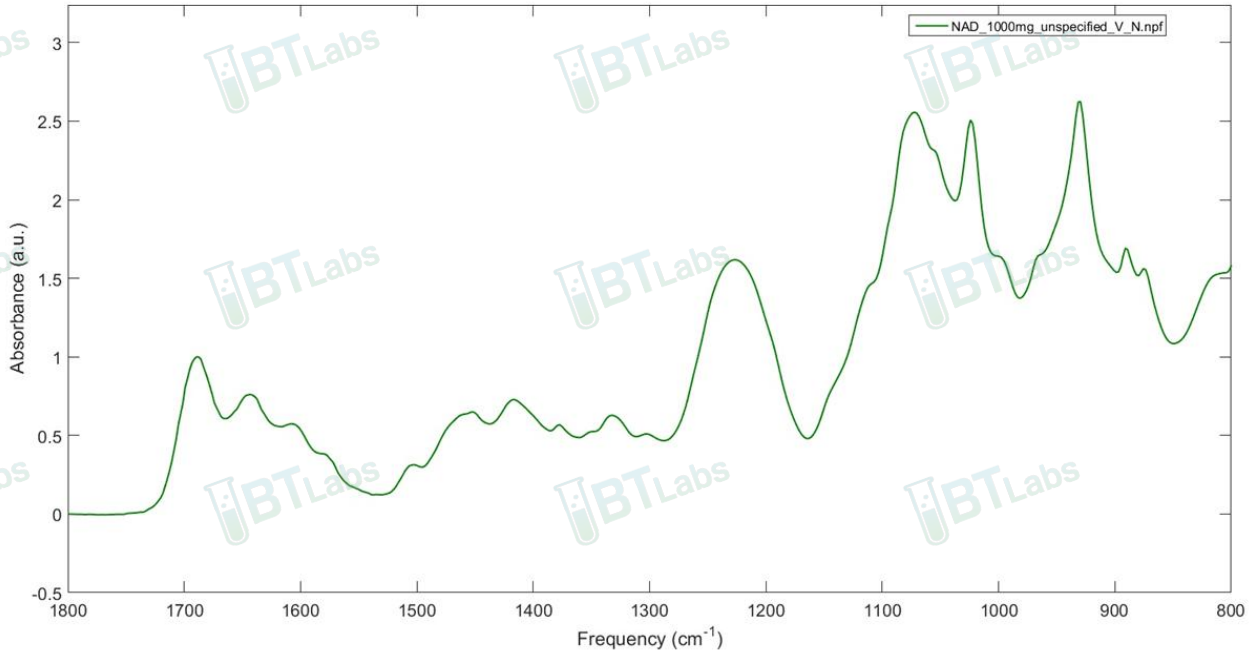
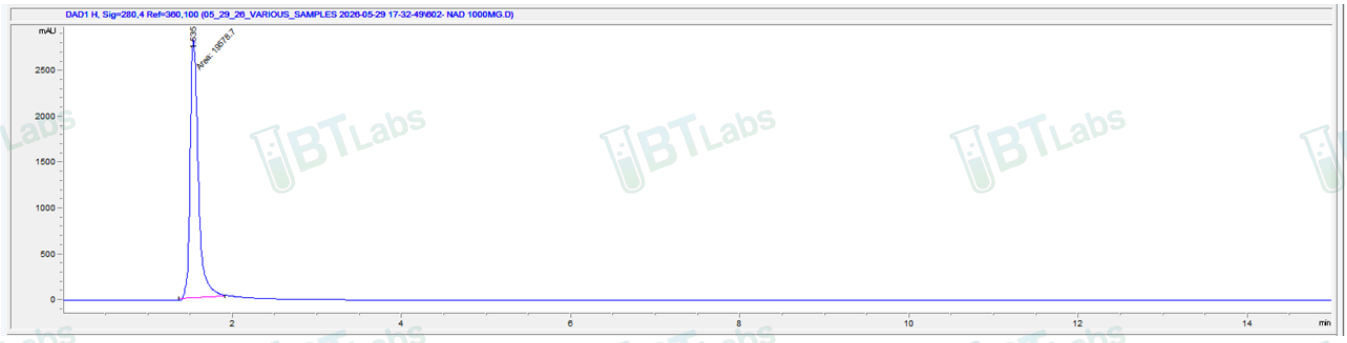
## FTIR ID and Composition Analysis: NAD Lot unspecified




## HPLC Purity and Potency Assay @ 280 nm: NAD Lot unspecified




| NAD Lot unspecified @ 280 nm | | |
|---|---|---|
| Peak #: | Retention Time (min) | Area (mAU*s) |
| 1 | 1.535 | 19578.7 |