



Title:

## Certificate of Analysis (CoA)

**Date:** 4/22/2026  
**Date Tested:** 4/21/2026  
**Customer:** Forge Amino  
**Testing material:** Pinealon  
**Lot Number:** FA-PIN032603  
**BT Sample ID:** 005000039725296  
**Labeled Peptide Content/Potency:** 20 mg  
**Storage:** R.T.  
**Visual Description:** small clear vial: white sample, white label, silver crimp, green plastic cap.  
**Labeled as:** Pinealon  
**Manufacturer:** Forge Amino  
**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.

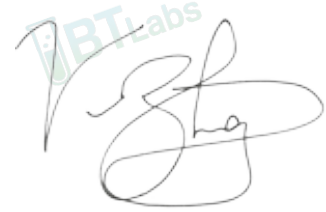


Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	86.5 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of Pinealon with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.6 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	23.3 mg (116.6 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	23.3 : 66.5 mg (1:2.9)

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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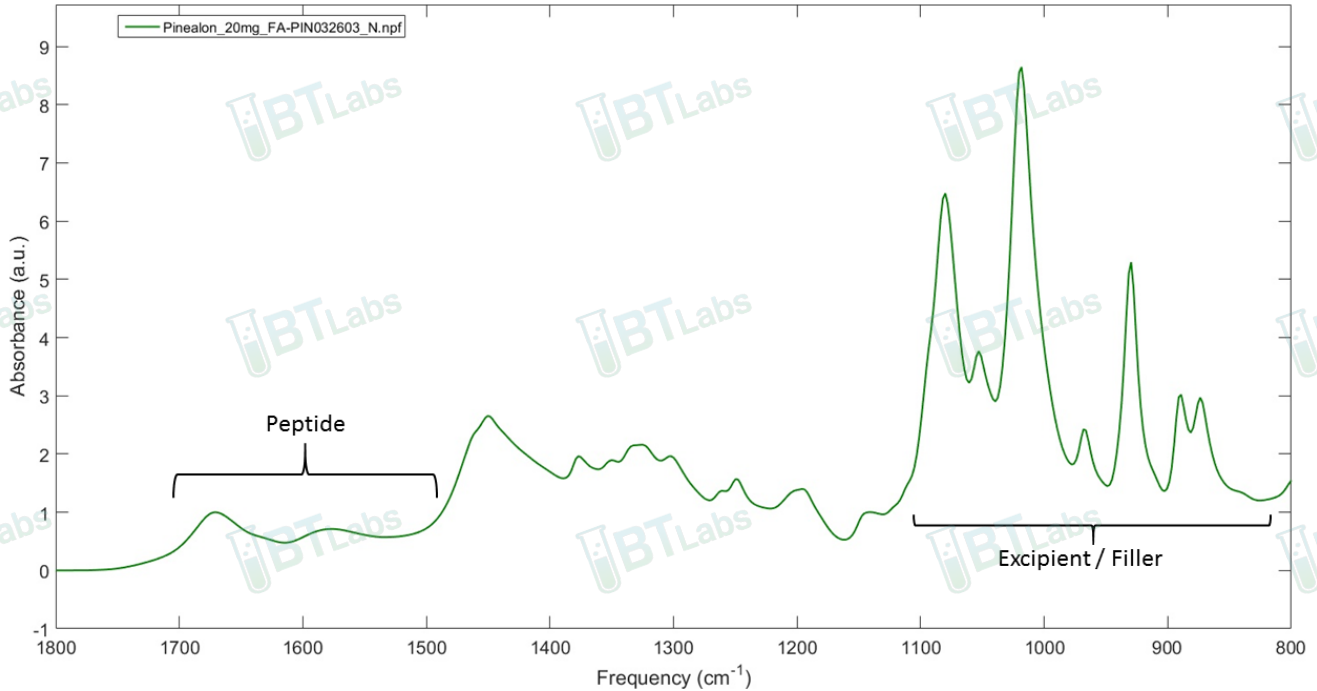
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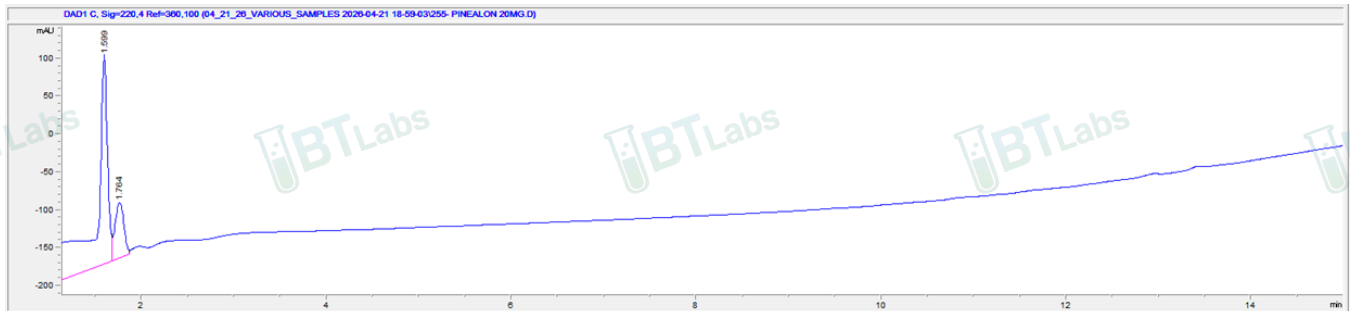
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## Certificate of Analysis (CoA)

### FTIR ID and Composition Analysis: Pinealon Lot FA-PIN032603



### HPLC Purity and Potency Assay @ 220 nm: Pinealon Lot FA-PIN032603



#### Pinealon Lot FA-PIN032603 @ 220 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.599	2678.7
2	1.764	487.8



Title:

## Certificate of Analysis (CoA)

### Bacterial Endotoxins Test (ABI- TEST 0012)

**Date:** 4/23/2026  
**Date Tested:** 4/17/2026  
**Customer:** Forge Amino  
**Testing material:** Pinealon  
**Lot Number:** FA-PIN032603  
**BT Sample ID:** 005000039725323  
**Labeled Peptide**  
**Content/Potency:** 20 mg  
**Storage:** R.T.  
**Visual Description:** small clear vial: white sample, white label, silver crimp, green plastic cap.  
**Labeled as:** Pinealon  
**Manufacturer:** Forge Amino  
**Testing Purpose:** (ABI-TEST 0012) test quantifies bacterial endotoxin levels to confirm that the product does not elicit pyrogenic reactions, maintaining patient safety and product integrity.



Test	Method	Specification	Result
<b>Bacterial Endotoxins Test</b>	USP <85>	40 EU/vial reconstituted	PASS

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

### Bacterial Endotoxins Test Pinealon Lot FA-PIN032603

Sample ID	Description	Volume (mL)	Endotoxin Limit (EU/vial)	Lysate Sensitivity ( $\lambda$ , EU/mL)	Result
FA-PIN032603	Pinealon	3	40 EU/vial	0.25	23.1 EU/vial

The sample passed a valid gel clot endotoxin test based on the type, mode of administration and dosage.



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