Purity Analytics

CERTIFICATE OF ANALYSIS

Artifact ID: coa_554ec6d49d1053378644506b79039af3

ORDERED BY

YourPeptideBrand.com

Your Peptide Brand

PRODUCT

NAME	Pinealon
SKU	YPB.273
CATEGORY	—

SAMPLE

BATCH	20260103L03EDRS20
TESTED	2026-05-13

DESCRIPTION Vial with white powder — sealed with plastic security cap. Flag tag attached at neck with manufacturer / product SKU number, PO, and expiration.

Vial image not provided

Submitted vial — YPB.273

AUTHORIZATION & DIGITAL SIGNATURE SECTIGO AATL

DIGITALLY SIGNED BY

Purity Analytics, LLC

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SIGNED	2026-05-22 · 16:50 UTC
CERT ID	80EE9C34…B1B5
ALGORITHM	SHA-512 · RSA 2048
VERIFY AT	verify.purityanalytics.com

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ANALYTICAL RESULTS

COMPONENT	ANALYTE	SPECIFICATION	RESULT	P/F
Pinealon	Qualitative ID	TS λmax is a match compared to its characteristic reference standard	**Matches**	✓
	Percent Purity (Correlation Coefficient)	NLT 98% $r_{xy} = \frac{\Sigma (x_i - \bar{x})(y_i - \bar{y})}{\sqrt{\Sigma (x_i - \bar{x})^2} \cdot \sqrt{\Sigma (y_i - \bar{y})^2}}$	**99.6 %**	✓
Pinealon	Quantitative Assay (Beer-Lambert)	NLT 95% label claim (mg/vial) $\% = \frac{A_{TS}}{A_{STD}} \times \frac{C_{STD}}{C_{TS}} \times 100$	**25.54 mg**	✓
	Heavy Metals (Total Quantity)	NMT 100ppb/vial (Pb, Cd, Hg, Ni, Fe, Co)	**<10 ppb**	✓
	TAMC (Total Aerobic Microbial Counts)	NMT 100 CFU @ 37°C/48h	**0 CFU**	✓
	TYMC (Total Yeast and Mold Counts)	NMT 10 CFU @ 30°C/48h	**0 CFU**	✓

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METHODS

- Qualitative ID - Lambda Max
- Percent Purity - Correlation Coefficient
- Quantitative Assay - Beer-Lambert
- Heavy Metals - Total Quantity
- TAMC (Total Aerobic Microbial Counts)
- TYMC (Total Yeast and Mold Counts)

Microbial specifications follow the Substances for Pharmaceutical Use compendium. UV-Vis measurements performed on a Jenway 6715 UV/Vis Spectrophotometer.

DISCLAIMER & SCOPE OF TESTING

**FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY CONSUMPTION.
NOT FOR DIAGNOSTIC, THERAPEUTIC, OR CLINICAL USE.**

The product analyzed in this Certificate of Analysis has not been evaluated by the U.S. Food and Drug Administration and is not intended to diagnose, treat, cure, or prevent any disease. Issuance of this Certificate of Analysis does not constitute FDA approval, clearance, registration, or endorsement of the product, its manufacturer, or any use thereof.

Sample scope.
Test results apply only to the specific sample identified by the SKU and Batch/Lot number on this report. Purity Analytics LLC tested the sample as received; chain of custody from the manufacturer to the laboratory is the manufacturer's responsibility. Subsequent handling, storage, repackaging, reconstitution, or modification by any party may alter the attributes reported here.

Method scope.
Pass/fail determinations reflect compliance with the acceptance criteria explicitly listed in this report and do not imply compliance with any criterion not listed. Each analytical method has inherent detection limits and measurement uncertainty; results are reported in accordance with the laboratory's validated standard operating procedures.

No warranty.
This data is presented in good faith and on an "as-is" basis. Purity Analytics LLC makes no express or implied warranty of merchantability, fitness for any particular purpose, or non-infringement with respect to the analyzed product. Reliance on this report is at the sole risk of the user; independent verification is the responsibility of the user.

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