SIDECHAIN ANALYTICS

SCAN TO VERIFY
COA-2026-SC-05002
sidechainanalytics.com/verify

CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

Pinealon

20 mg · CAS 175175-23-2 · $C_{15}H_{26}N_6O_8$ · 418.2 g/mol

Client: **Vanguard Compound Research**

SAMPLE ID **PIN-020_D** ISSUED NOVEMBER 13, 2026

§ 01 Sample Information

Report No.:	**COA-2026-SC-05002**
Appearance:	**Lyophilized powder**
Received:	**11/04/2026**
Analyzed:	**11/13/2026**



SAMPLE PHOTOGRAPH

§ 02 Analytical Results

Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)
Instrument · Agilent 1290 Infinity II with Agilent 6495 QQQ

IDENTITY	NET PEPTIDE CONTENT	PEPTIDE FILL ACCURACY	CHROMATOGRAPHIC PURITY
Confirmed	**21.73 mg**	**108.6 %**	**99.8 %**
Principal component confirmed against reference standard	Total peptide in the vial as received	Measured net content ÷ declared label claim	Principal-component peak area (Ph. Eur. 2.2.46)

Chromatographic purity is calculated by quantifying every peptide in the method and expressing the target peptide's concentration as a percentage of the total peptide concentration measured — the target against all other peptide signal detected in the same sample. It is separate from net peptide content; this document contains **no pass/fail determination** against any specification or label claim.

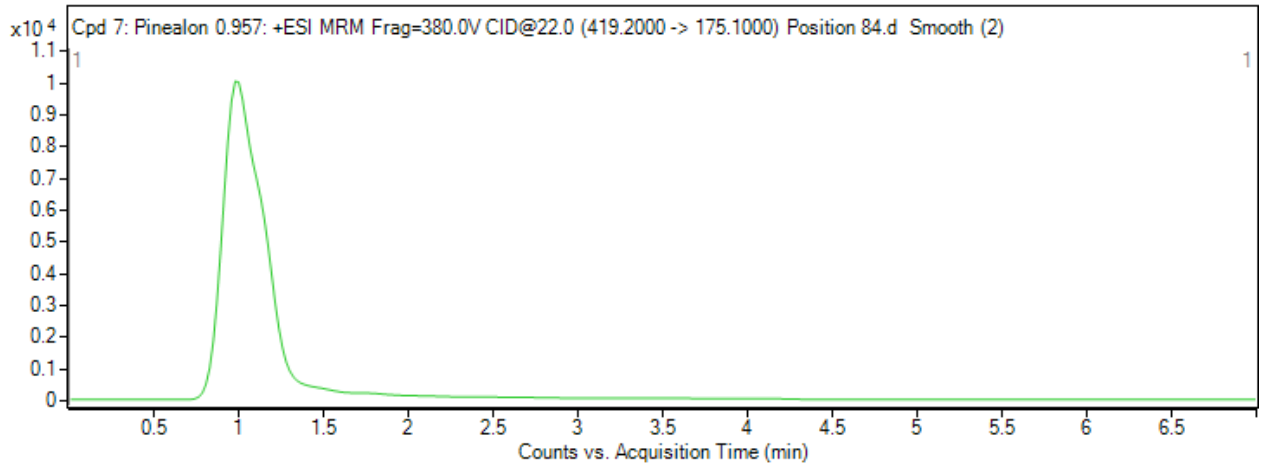
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*Results relate **only to the sample as received** by Side-Chain Analytics Inc. and the tests performed, as and when received — not to any other unit, vial, lot, or batch, and not to any other product bearing the same name, label, or description. This report is not a verification of any lot or batch. **For research use only**: this report is not a certificate of quality, safety, efficacy, or regulatory compliance; the material tested is not authorized by Health Canada for human or veterinary use; and this report is not for human or veterinary administration, clinical or diagnostic use, or label claims. Side-Chain Analytics Inc. does not manufacture, source, or sell the material tested and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full, and may not be reproduced, displayed, quoted, or referenced — in whole or in part, including by any badge, seal, or link — in connection with the advertising, offer for sale, sale, or distribution of any product. This certificate is valid only as currently shown at sidechainanalytics.com/verify and may be withdrawn.*

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§ 03 Chromatogram — Pinealon

Instrument acquisition — HPLC-MS/MS (MRM). Chromatographic trace as acquired for this sample.



Pinealon