



CERTIFICATE NO.	LAB SAMPLE ID	ISSUE DATE	REPORT STATUS
COA-2026-00257	20260800346-48	06-SEP-2026	FINAL

01 CLIENT & PRODUCT INFORMATION

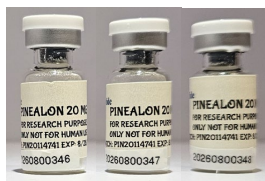
Client organization	Bulk Peptide Supply	Client contact	support@bulkpeptidesupply.com
Product name	Pinealon	Client lot / batch	PIN20114741
Label claim	20 mg	Lab sample ID	20260800346-48
Sample matrix	Lyophilized Powder	Quantity received	3
Container / closure	Clear Vial W/White Cap	Condition on receipt	Intact
Date received	31 Aug 2026	Testing period	31 Aug 2026-05 Sep 2026
Storage condition	Ambient	Route / intended use	RUO

02 ANALYTICAL TEST RESULTS | Purity, identification and net content

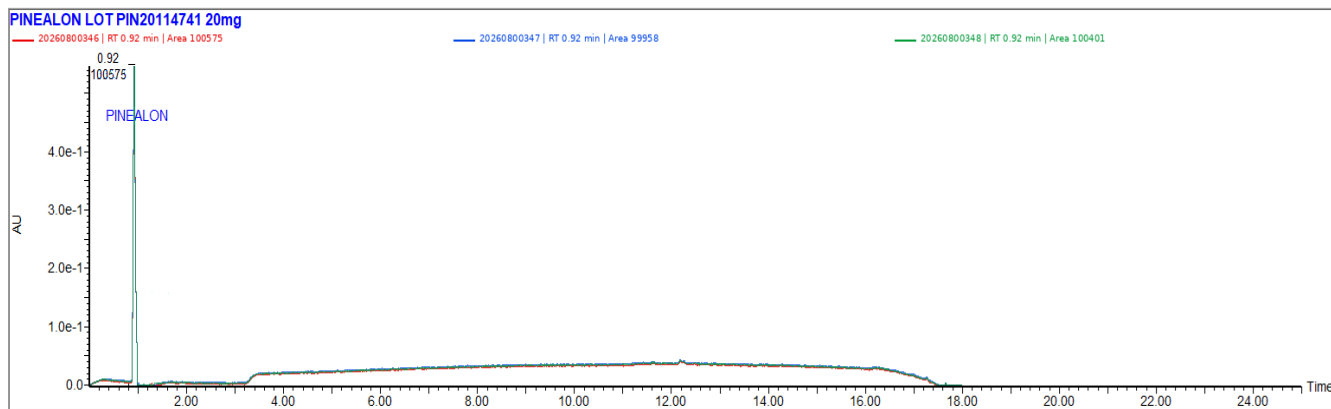
Analysis	Method / SOP	Instrumentation	Result	Units	Acceptance criterion	Status
Purity	UPLC-UV	Acquity UPLC/PDA	99.79 AVG	% area	>99%	PASS
Identification	UPLC-MS	Waters Quattro Series	Conforms	—	Ionization profile match w/standard	PASS
Net content	Quantitative UPLC	Acquity UPLC/PDA	20260800346 – 20.14 20260800347 – 20.09 20260800348 – 20.13	mg/vial	±10%	PASS

03

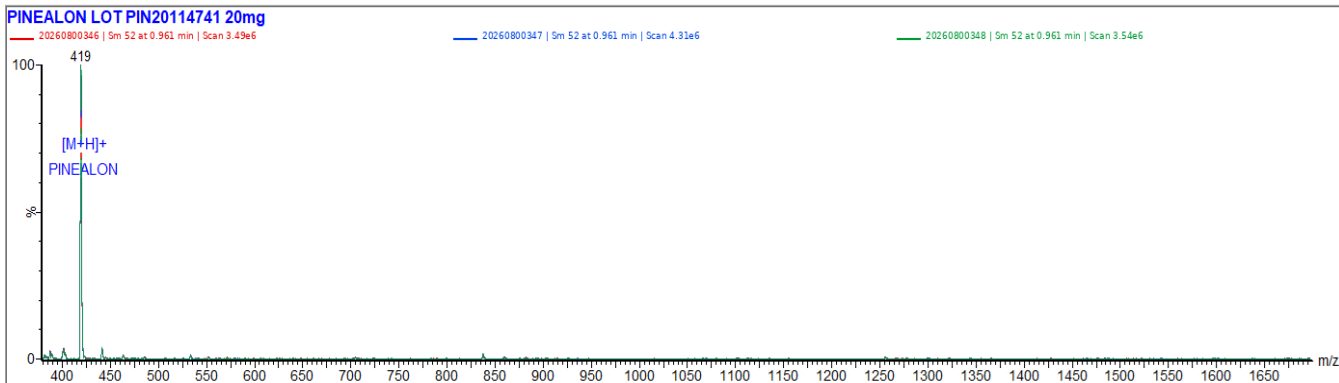
SUPPORTING ANALYTICAL EVIDENCE | UV/MASS Chromatograms/Spectra



PRODUCT AS RECEIVED



UV CHROMATOGRAM



MASS SPECTRUM / SPECTRA



04 HEAVY METALS SCREENING | ICP-MS | Elemental impurity results

Method	9 Metal Panel	Instrument / asset ID	Perkin Elmer SCIEX ELAN DRC II
Sample preparation	Digestion	Calibration model	Regression
Run / sequence ID	AVQC20260800346-48	Analysis date	01 Sep 2026

ELEMENTAL IMPURITY RESULTS

Analyte	Result (µg/L)	LOQ (µg/L)
Cadmium (Cd)	Non-detect	0.10
Lead (Pb)	Non-detect	0.20
Arsenic (As)	Non-detect	0.50
Mercury (Hg)	Non-detect	0.20
Cobalt (Co)	Non-detect	0.20
Vanadium (V)	Non-detect	0.20
Nickel (Ni)	Non-detect	0.50
Lithium (Li)	Non-detect	1.0
Antimony (Sb)	Non-detect	0.20

05 ENDOTOXIN ANALYSIS | Recombinant Factor C (rFC) fluorescence assay

Method	Recombinant Factor-c	Instrument / asset ID	Molecular Devices Gemini XPS
Assay / reagent	bioMerieux EndoZyme II	Standard	Kit-integrated
Sample preparation	Reconstitution in Endotoxin Free Water	Run / plate ID	083013-AVQC20260800346-48
Product limit	0.5 EU/mL (AV Analytics applies 2x USP limit for H2O, no USP endotoxin limit applies to RUO products)	Maximum valid dilution	1:100

Parameter	Result	Acceptance criterion	Units	Status
Endotoxin	0.14	<0.5	EU/mL	PASS
Positive product control recovery	101	50-200	%	PASS
Negative control	Non-Detect	<0.005	EU/mL	PASS
Standard curve / assay validity	.98	Correlation factor >0.94	R ²	PASS

06 STERILITY | Rapid growth-based CO₂

Method	Aerobic/Anaerobic	Instrument / asset ID	BacT/ALERT 3D
Test type	Rapid growth-based	Sample volume / dilution	1.5mL/bottle
Media / bottles	iAST/INST	Incubation conditions	22.5/32.5 °C
Run / batch ID	0901M1-AVQC20260800346-48	Test period	96hr

Parameter	Result	Acceptance criterion	Time for observation	Status
Aerobic condition / bottle	No growth detected	No growth detected	96hr	PASS
Anaerobic condition / bottle	No growth detected	No growth detected	96hr	PASS
Negative control	No growth detected	No growth detected	96hr	PASS
Overall sterility conclusion	Conforms	No observed growth in sample/control	—	PASS

07 AUTHORIZATION | Review, decision rule and release

Analyst	Jason Snitker	Technical reviewer	Vanessa Montoya, PhD
Authorized signatory	Vanessa Montoya, PhD	Decision rule	Document complete, fields correct, analysis reviewed
Deviations / qualifiers	None	Amendment history	N/A

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