AV ANALYTICS
Analytical Precision - Operational Excellence
INDEPENDENT ANALYTICAL LABORATORY

CERTIFICATE OF ANALYSIS

Analytical results | Controlled laboratory report

CERTIFICATE NO.	LAB SAMPLE ID	ISSUE DATE	REPORT STATUS
COA-2026-0143	20260800264	31 AUG 2026	FINAL

01 CLIENT & PRODUCT INFORMATION

Client organization	Premier Peptides	**Client contact**	info@premierpeptides.ca
Product name	KLOW	**Client lot / batch**	PP20260401-68
Label claim	GHK-Cu 50 mg/TB-500 10 mg/BPC-157 10 mg/KPV 10 mg	**Lab sample ID**	20260800264 (A, B, C)
Sample matrix	Lyophilized	**Quantity received**	3
Container / closure	Vial w/Crimp	**Condition on receipt**	Intact
Date received	25 Aug 2026	**Testing period**	28 Aug 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 (Average purity calculated from 3 vials)	UPLC-UV	Acquity UPLC/PDA	99.75 AVG	% area	>99%	PASS
Identification	UPLC-MS	Waters Quattro Series	Conforms (TB-4 Full Chain)	—	Ionization profile match w/standard across all vials tested	PASS
Net content	Quantitative UPLC	Acquity UPLC/PDA	Vial 1 – 50.96/10.11/10.26/10.01 Vial 2 – 51.01/10.06/10.29/10.03 Vial 3- 50.67/10.69/10.01	mg/vial	±10%	PASS

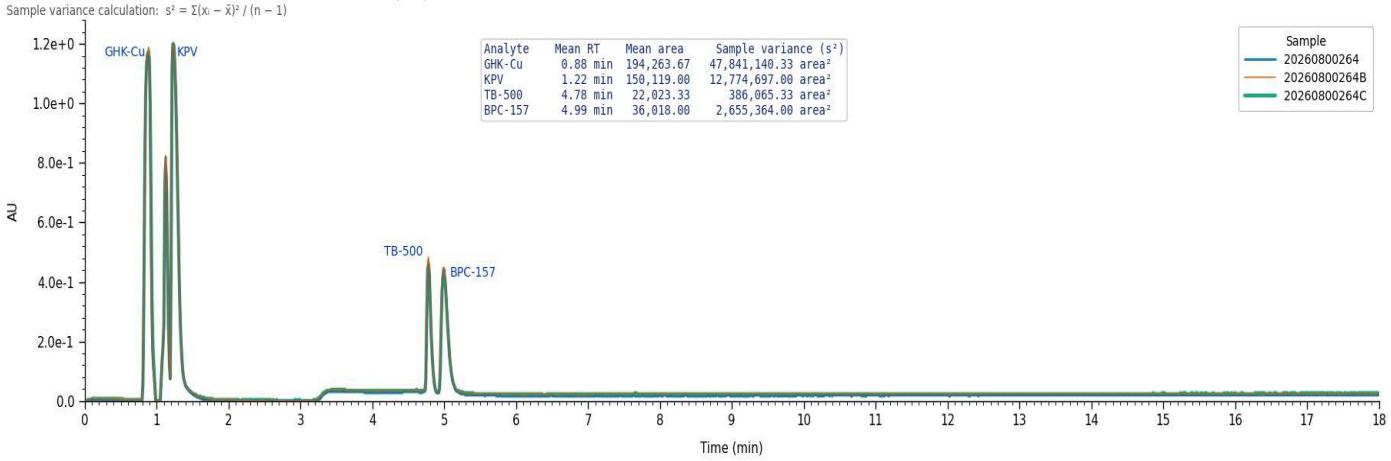
03 SUPPORTING ANALYTICAL EVIDENCE

KLOW 80 mg — OVERLAID UV CHROMATOGRAMS

20260800264 / 20260800264B / 20260800264C • Peak statistics (n=3)

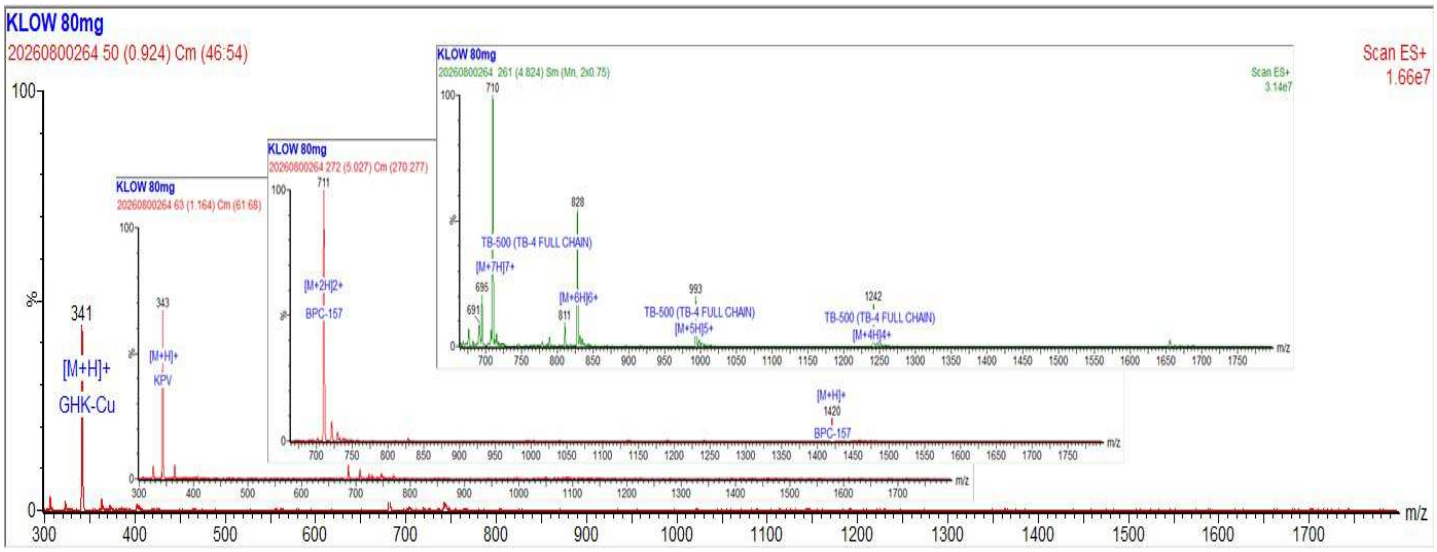
Sample variance calculation: $s^2 = \Sigma(x_i - \bar{X})^2 / (n - 1)$

PDA Ch1 214 nm @ 4.8 nm



Analyte	Mean RT	Mean area	Sample variance (s²)
GHK-Cu	0.88 min	194,263.67	47,841,140.33 area²
KPV	1.22 min	150,119.00	12,774,697.00 area²
TB-500	4.78 min	22,023.33	386,065.33 area²
BPC-157	4.99 min	36,018.00	2,655,364.00 area²

UV CHROMATOGRAM



MASS SPECTRUM / SPECTRA

04 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**	*0828P1-AVQC20260800264*
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	*Vial 1 0.10 Vial 2 0.02 Vial 3 0.11*	*<0.5*	*EU/mL*	*PASS*
Positive product control recovery	*126*	*50-200*	*%*	*PASS*
Negative control	*Non-Detect*	*<0.005*	*EU/mL*	*PASS*
Standard curve / assay validity	*.98*	*Correlation factor >0.94*	*R^2*	*PASS*

05 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**	*NA*

Report conditions: Results are analytical findings for the item tested and do not constitute an endorsement of product safety, efficacy or regulatory status. Unless otherwise stated, this certificate may be reproduced only in full with written approval from AV Analytics.