



CERTIFICATE OF ANALYSIS

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SAMPLE IDENTIFICATION

PRODUCT NAME	Wolverine Stack (BPC-157 & TB-500)	CLIENT	Cryonic Labs
LABEL STRENGTH	5MG + 5MG	LOT / BATCH NO.	FL-2498-E22
MOLECULAR FORMULA	C62H98N16O22 / C212H350N56O78S	MANUFACTURE DATE	07 Apr 2026
MOLECULAR WEIGHT	1419.53 / 4963.44 g/mol	DATE OF ANALYSIS	14 Apr 2026
CAS NUMBER	137525-51-0 / 77591-33-4	RETEST / EXPIRY	06 Apr 2028

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	STATUS
Appearance	Visual	White lyophilised powder	Conforms	PASS
Identification	MALDI-TOF MS	1419.53 ± 1.0 amu	1419.33 amu	PASS
Purity / Assay	HPLC-UV 220 nm	≥ 98.0 %	98.5 %	PASS
Retention Time	HPLC-UV 220 nm	Matches reference	12.97 min	PASS
Single Max Impurity	HPLC-UV 220 nm	≤ 1.00 %	0.92 %	PASS
Peptide Content	Nitrogen (Kjeldahl)	≥ 78.0 %	84.5 %	PASS
Water Content	Karl Fischer	≤ 6.0 %	2.17 %	PASS
Acetate Content	HPLC-IC	≤ 10.0 %	7.29 %	PASS
Bacterial Endotoxins	LAL Kinetic	< 0.50 EU/mg	0.02 EU/mg	PASS
Microbial Limits	USP <61>	< 100 CFU/g	< 10 CFU/g	PASS
Heavy Metals	ICP-MS	≤ 10 ppm	0.9 ppm	PASS
Sterility of Fill	USP <71>	No growth	No growth	PASS

CONCLUSION

The submitted sample of Wolverine Stack (BPC-157 & TB-500) (5MG + 5MG), lot FL-2498-E22, was analysed under the methods listed above and conforms to all release specifications with a chromatographic purity of 98.5 %. Material is supplied for laboratory research use only. Not for human or veterinary use, and not for diagnostic or therapeutic application. Retain sample stored at -20 °C, protected from light.

98.5%
PURITY

Dr. M. Ellingsworth, Ph.D.

Laboratory Director, Freedom Laboratories LLC
Signed 14 Apr 2026 · Report No. COA-FL-2498-E22