



CERTIFICATE OF ANALYSIS

Report No. COA-FL-2582-C22 · Page 1 of 1

SAMPLE IDENTIFICATION

PRODUCT NAME	Tesamorelin	CLIENT	Cryonic Labs
LABEL STRENGTH	5MG	LOT / BATCH NO.	FL-2582-C22
MOLECULAR FORMULA	C221H366N72O67S	MANUFACTURE DATE	28 Feb 2026
MOLECULAR WEIGHT	5135.86 g/mol	DATE OF ANALYSIS	09 Mar 2026
CAS NUMBER	218949-48-4	RETEST / EXPIRY	28 Feb 2028

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT	STATUS
Appearance	Visual	White lyophilised powder	Conforms	PASS
Identification	MALDI-TOF MS	5135.86 ± 1.0 amu	5135.62 amu	PASS
Purity / Assay	HPLC-UV 220 nm	≥ 98.0 %	98.76 %	PASS
Retention Time	HPLC-UV 220 nm	Matches reference	14.22 min	PASS
Single Max Impurity	HPLC-UV 220 nm	≤ 1.00 %	0.81 %	PASS
Peptide Content	Nitrogen (Kjeldahl)	≥ 78.0 %	87.72 %	PASS
Water Content	Karl Fischer	≤ 6.0 %	4.03 %	PASS
Acetate Content	HPLC-IC	≤ 10.0 %	6.2 %	PASS
Bacterial Endotoxins	LAL Kinetic	< 0.50 EU/mg	0.16 EU/mg	PASS
Microbial Limits	USP <61>	< 100 CFU/g	< 10 CFU/g	PASS
Heavy Metals	ICP-MS	≤ 10 ppm	1.0 ppm	PASS
Sterility of Fill	USP <71>	No growth	No growth	PASS

CONCLUSION

The submitted sample of Tesamorelin (5MG), lot FL-2582-C22, was analysed under the methods listed above and conforms to all release specifications with a chromatographic purity of 98.76 %. 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.

98.76%
PURITY

Dr. M. Ellingsworth, Ph.D.

Laboratory Director, Freedom Laboratories LLC
Signed 09 Mar 2026 · Report No. COA-FL-2582-C22