Title:

Certificate of Analysis (CoA)



Date: 3/6/2026
Date Tested: 3/2/2026
Customer: Pure Lab Peptides
Testing material: Melanotan I
Lot Number: 22186
BT Sample ID: 005000039049046
Labeled Peptide Content/Potency: 10 mg
Storage: R.T.
Visual Description: Small Clear vial: white sample, white label, silver crimp, yellow plastic cap.
Labeled as: Melanotan I
Manufacturer: N/A
Testing Purpose: FTIR and HPLC analysis for the identification, purity, potency and composition of a peptide product. It does not provide information on particulate matter, microbial contamination or presence of endotoxins.

Test	Method	Specification	Result
General Appearance	USP <630>	white powder	white powder
Mass	USP <41>	As recorded	58.2 mg
FTIR Identification and Composition Analysis	USP <197A>	Sample spectrum should confirm the content of peptide via characteristic bands	FTIR sample spectrum confirms the presence of Melanotan I with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: ≥ 98 %	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	10.4 mg (103.7 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	10.4 : 47.8 mg (1:4.6)

The results of the CoA relate only to the item(s) tested and applied to the sample as received.

Andrea Castro, AS
Scientist-I
BTLabs

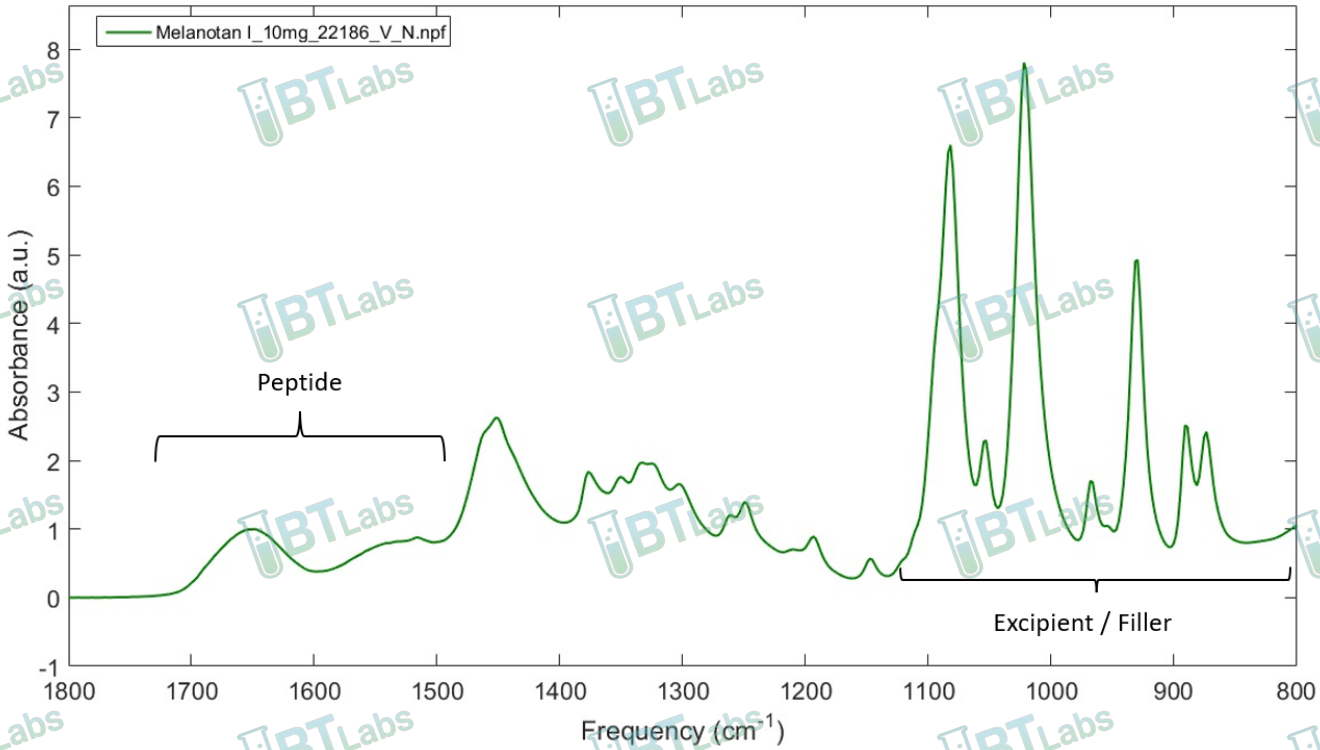
Verna Zheng, AS
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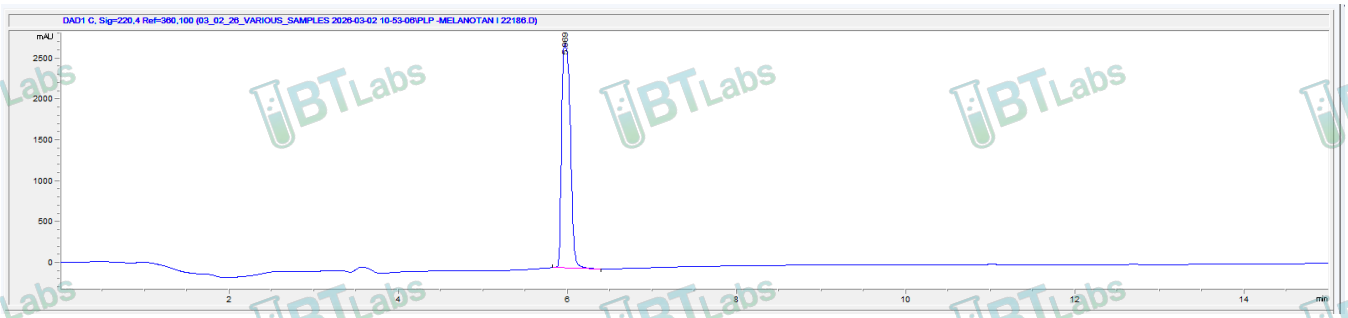
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FTIR ID and Composition Analysis: Melanotan I Lot 22186



HPLC Purity and Potency Assay @ 220 nm: Melanotan I Lot 22186



Melanotan I Lot 22186 @ 220 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	5.969	19259.8

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