



Report #:

IF-824-QSA-TR006-BTL26246-03

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Title:

Certificate of Analysis (CoA)

Date: 4/20/2026**Date Tested:****Customer:**

Apex Lab-BW Compounds

Testing material:**Lot Number:** BWC-M10-3245**BT Sample ID:** 005000039656137**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	80.6 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: $\geq 98\%$	99.9 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	11.2 mg (112.3 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	11.2 : 69.4 mg (1:6.2)

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

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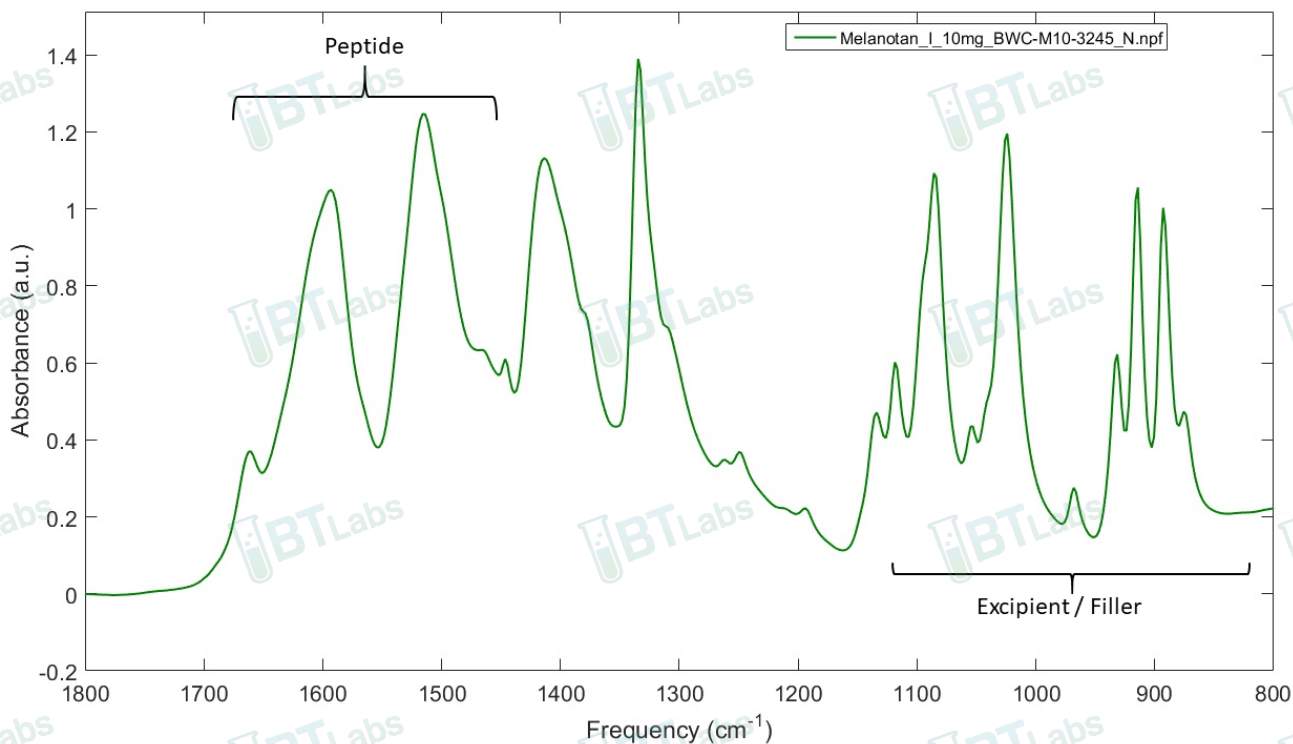
Rev 1.0 January 2025

Title:

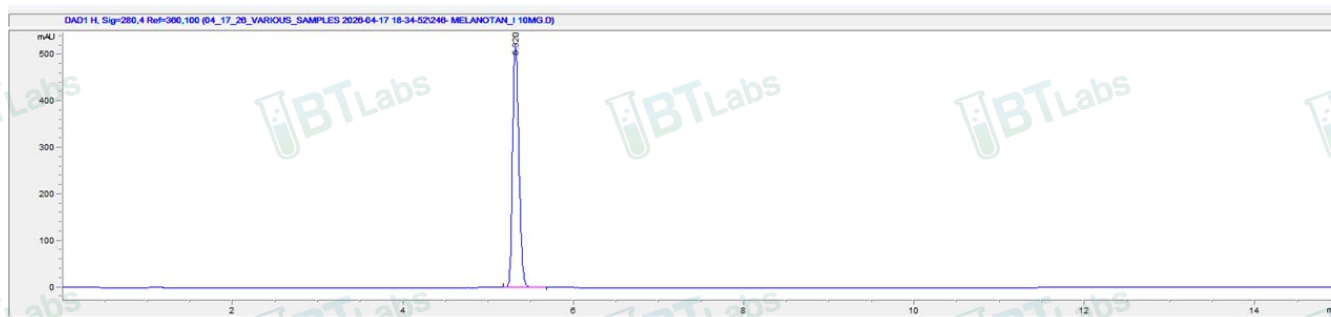
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FTIR ID and Composition Analysis: Melanotan I Lot BWC-M10-3245



HPLC Purity and Potency Assay @ 280 nm: Melanotan I Lot BWC-M10-3245



Melanotan I Lot BWC-M10-3245 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	5.32	2698