



Report #:

IF-824-QSA-TR006-BTL26894-10

Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 7/3/2026
Date Tested: 7/1/2026
Customer: Pax Peptide
Testing material: Melanotan I
Lot Number: MS6555
BT Sample ID: 005000040638549
Labeled Peptide Content/Potency: 20 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, dark blue plastic cap.
Labeled as: Melanotan I
Manufacturer: Pax Peptide
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	53.8 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: $\geq 98\%$	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 20 mg	11.4 mg (57 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	11.4 : 42.4 mg (1:3.7)

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

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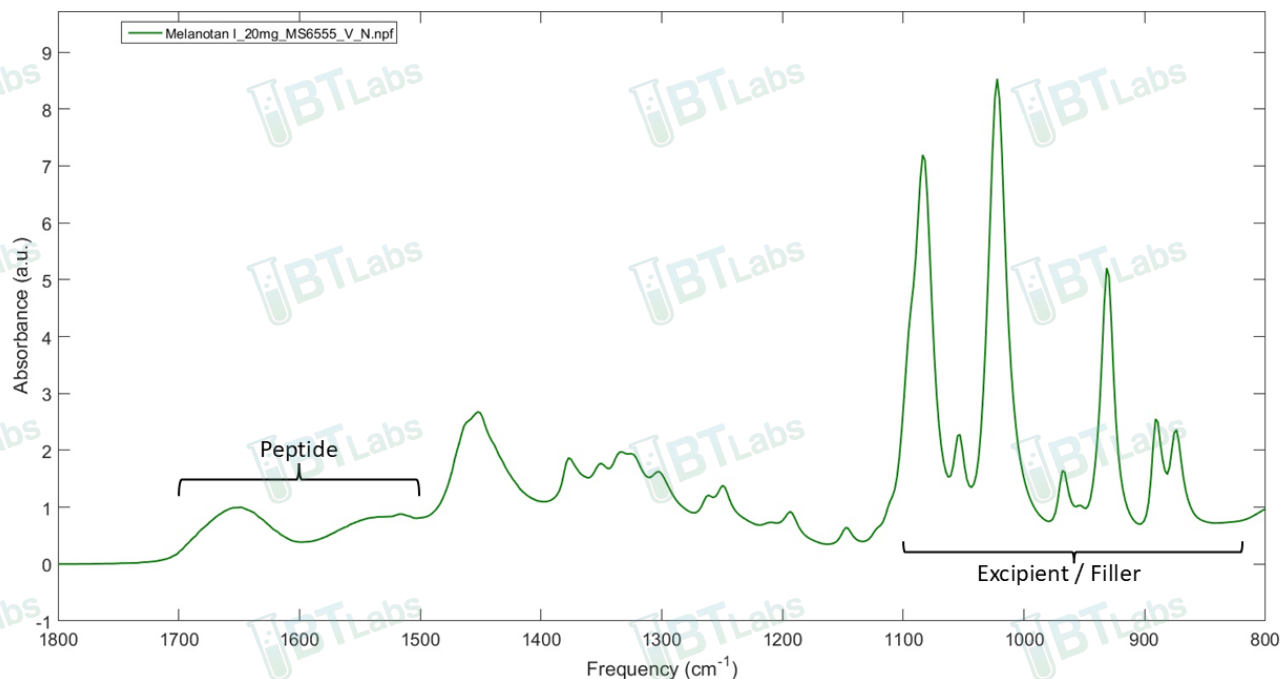
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>

Title:

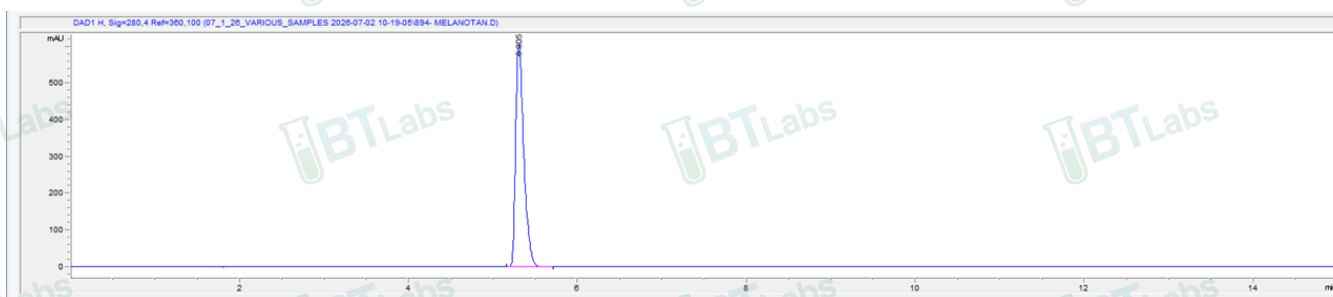
Certificate of Analysis (CoA)



FTIR ID and Composition Analysis: Melanotan I Lot MS6555



HPLC Purity and Potency Assay @ 280 nm: Melanotan I Lot MS6555



Melanotan I Lot MS6555 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	5.305	4063.2