

Title:

Certificate of Analysis (CoA)

Date: 4/21/2026
Date Tested: 4/20/2026
Customer: Valence Labs
Testing material: Melanotan_2
Lot Number: PT-4802A1A8F7EA-1
BT Sample ID: 005000039752734
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_2
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	54.1 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_2 with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	99.7 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	11.7 mg (117 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	11.7 : 42.4 mg (1:3.6)

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

Andrea Castro, AS
 Digitally signed by Andrea Castro, AS
 DN: OU=BTLabs, O=BioTools Inc, CN="Andrea Castro, AS", E=acaastro@biotools.us
 Reason: I am approving this document
 Location:
 Date: 2026.04.21 21:25:15-04'00'
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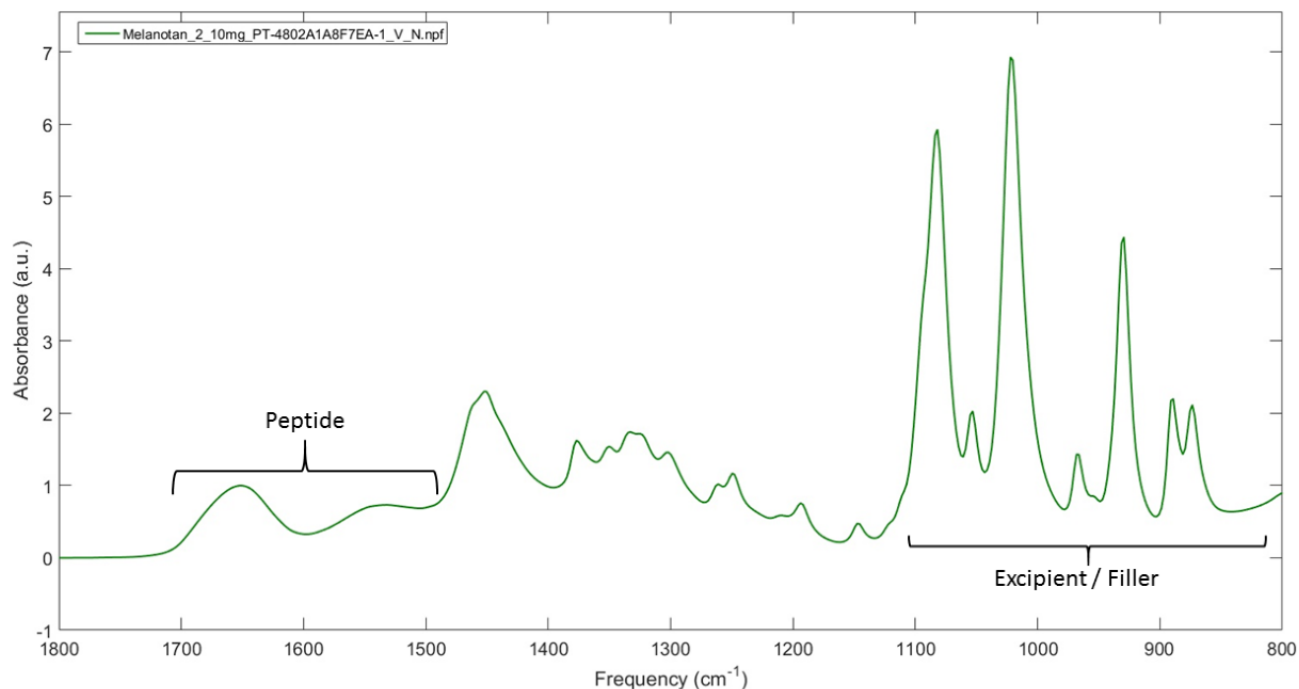
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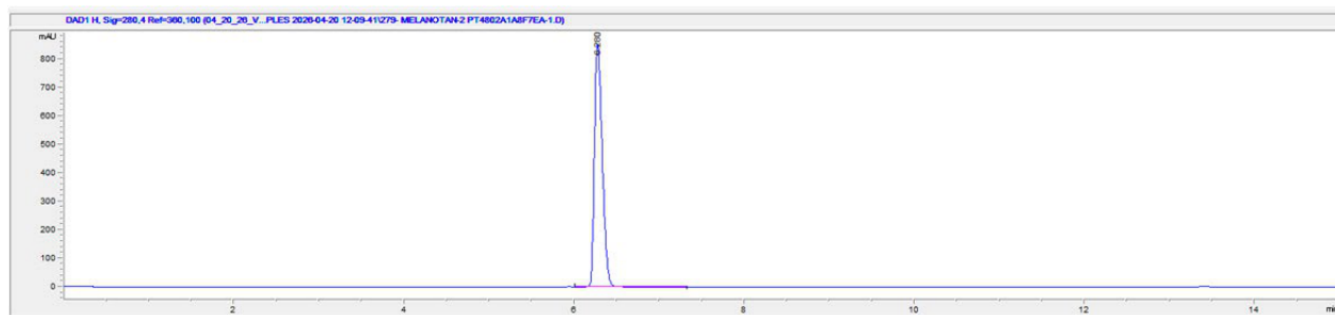
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FTIR ID and Composition Analysis: Melanotan 2 Lot PT-4802A1A8F7EA-1



HPLC Purity and Potency Assay @ 280 nm: Melanotan 2 Lot PT-4802A1A8F7EA-1



Melanotan 2 Lot PT-4802A1A8F7EA-1 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	6.29	5381