



Report #:

IF-824-QSA-TR006-BTL26294-03

Page 1 of 2



Title:

Certificate of Analysis (CoA)

Date: 4/25/2026
Date Tested: 4/23/2026
Customer: Xeno Peptides
Testing material: Melanotan-2
Lot Number: MT01-01
BT Sample ID: 005000039762394
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: MT2
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	117.4 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: $\geq 98\%$	99.9 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 10 mg	11.2 mg (111.5 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	11.2 : 106.3 mg (1:9.5)

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

Andrea Castro, AS
Scientist-II
BTLabs

Verna Zheng, AS
Scientist-II
BTLabs

5730 Corporate Way | Suite 220 | West Palm Beach, FL 33407

Phone: (561) 625-0133

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

IF-824-QSA-TR006

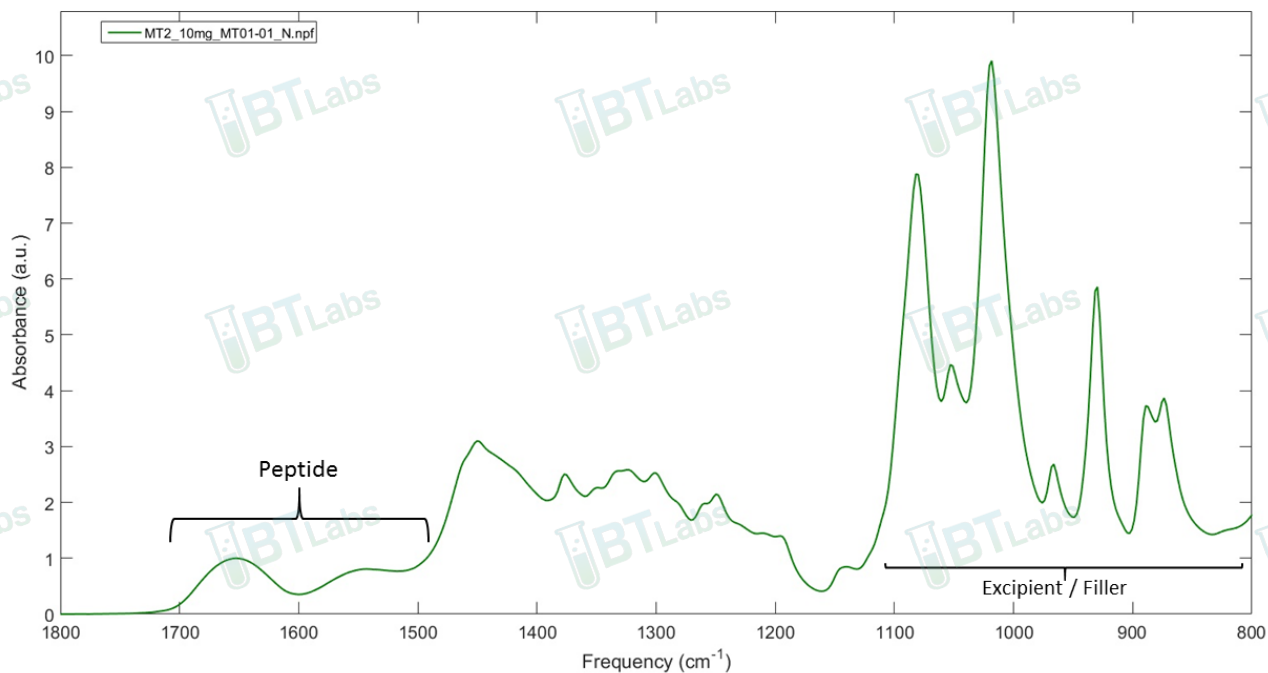
Rev 1.0 January 2025

Title:

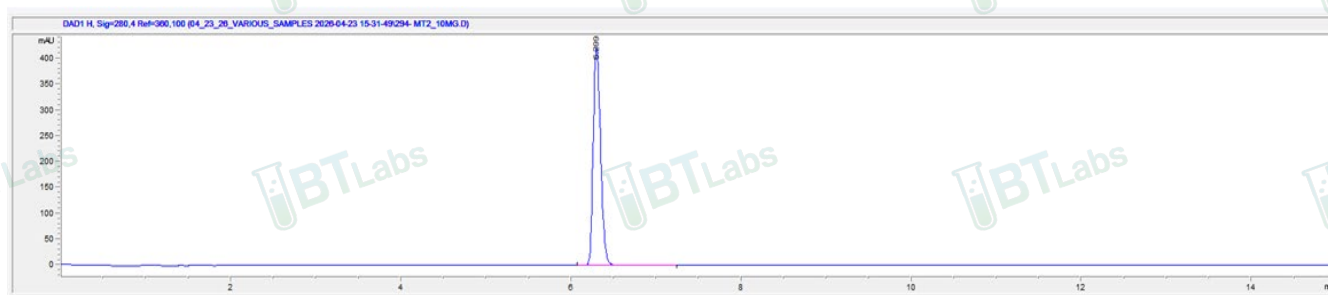
Certificate of Analysis (CoA)



FTIR ID and Composition Analysis: MT2 Lot MT01-01



HPLC Purity and Potency Assay @ 280 nm: MT2 Lot MT01-01



Melanotan-2 Lot MT01-01 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	6.299	2554.2