

Title:

Certificate of Analysis (CoA)

Date: 11/10/2025
Date Tested: 11/10/2025
Customer: Nootropix
Testing material: Oxytocin
Lot Number: N/A
BT Sample ID: 005000036603224
Labeled Peptide
Content/Potency: N/A
Storage: R.T.
Packing material: Amber glass vial with white label and blue plastic top
Labeled as: Oxytocin
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	62.8 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 peptide with addition of excipient(s)/fillers such as mannitol.
HPLC Purity of Peptide Assay	USP <621>	Specifications: $\geq 98\%$	98 %
HPLC Potency Assay	USP <621>	Specifications: 95 – 105% of 62.8 mg	66.7 mg (106.2 %)

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

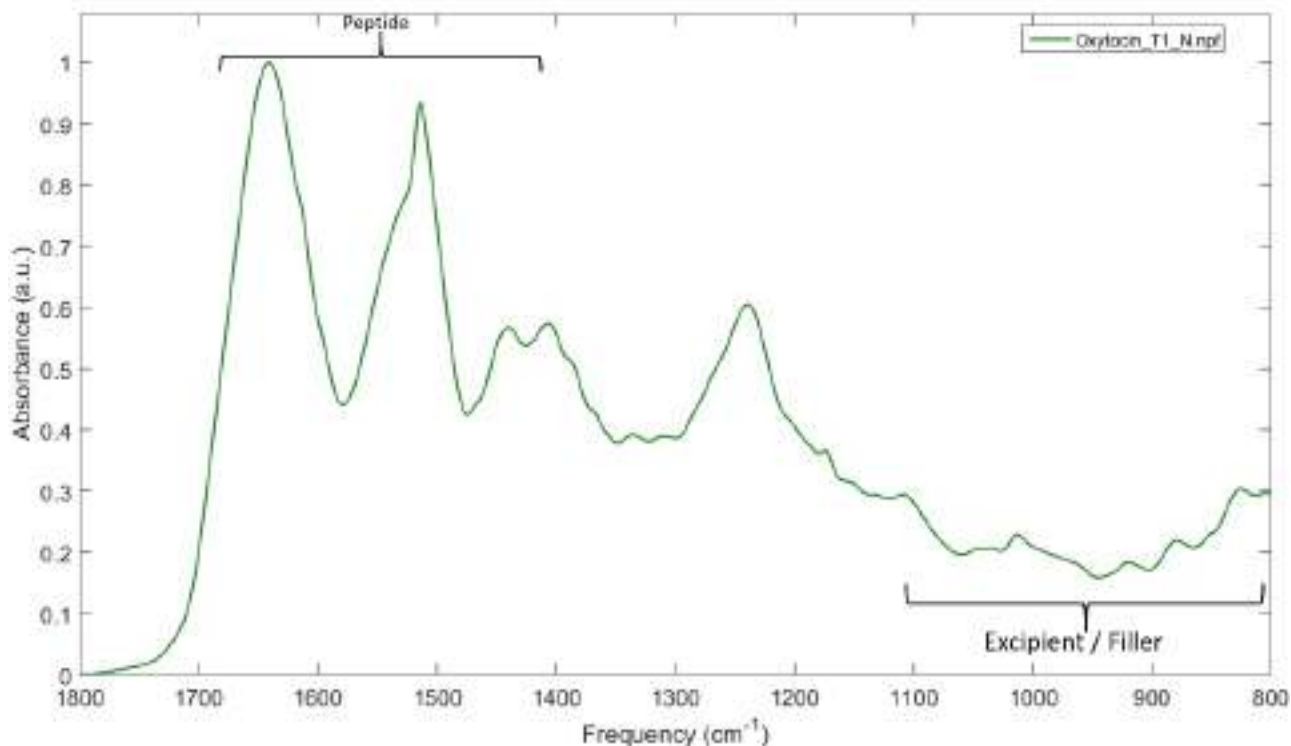
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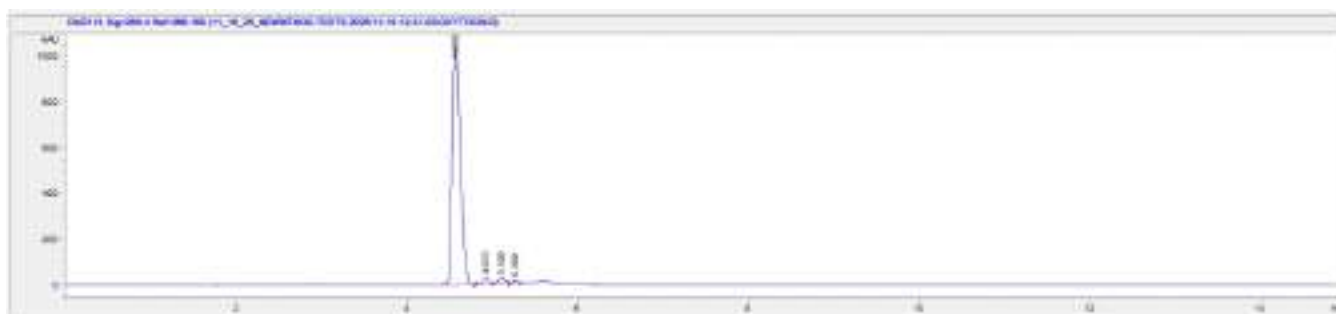
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Certificate of Analysis (CoA)

FTIR ID and Composition Analysis: Oxytocin



HPLC Purity and Potency Assay @ 280 nm: Oxytocin



Oxytocin @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	4.566	6859
2	4.923	126.2
3	5.109	159.4
4	5.268	86.7