



Report #:

COA261275-002

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Title:

Certificate of Analysis (CoA)



Date: 9/7/2026
Date Tested: 9/5/2026
Customer: Vertex Labs
Testing material: DSIP
Lot Number: DP0000019
Sample ID: BTL260822-007-002
Content/Potency: 5 mg
Storage: R.T.
Visual Description: Small clear vial: white sample, white label, silver crimp, black plastic cap.
Labeled as: DSIP
Manufacturer: Vertex Labs
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	150.4 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 DSIP 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 5 mg	5.6 mg (111.8 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:0) to (1:10) for (peptide: excipients)	5.6 : 144.8 mg (1:25.9)

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

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Rev 1.1 August 2026



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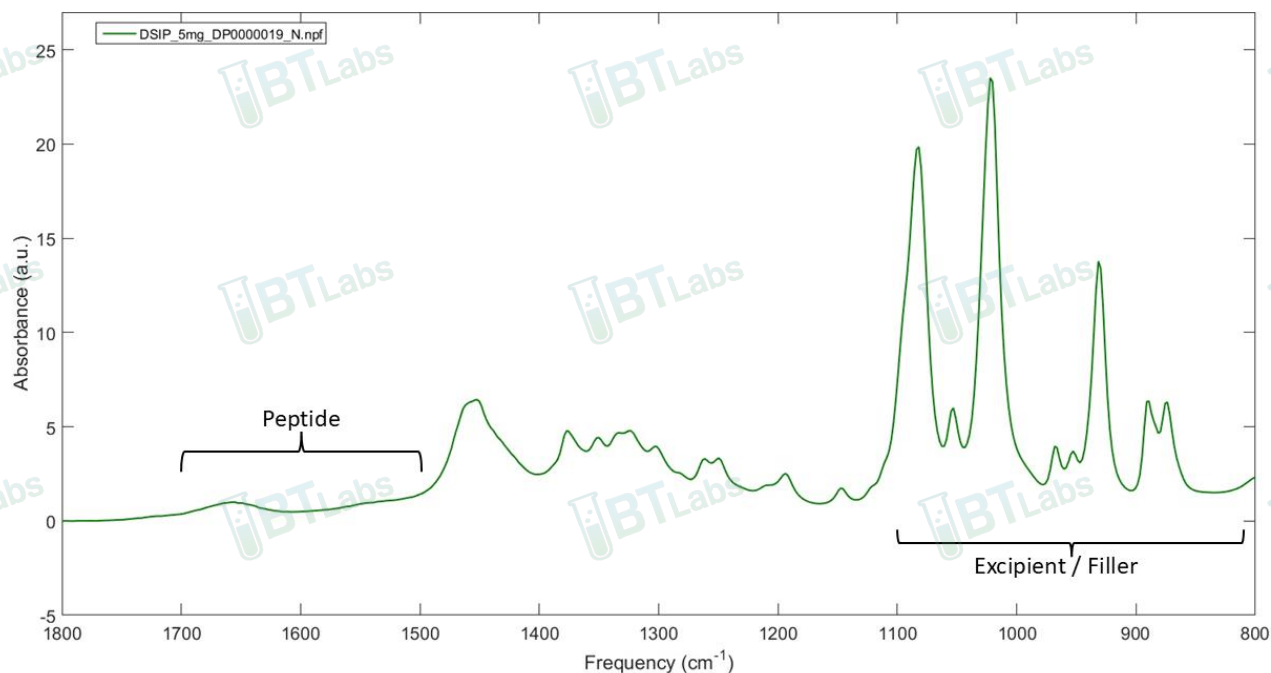
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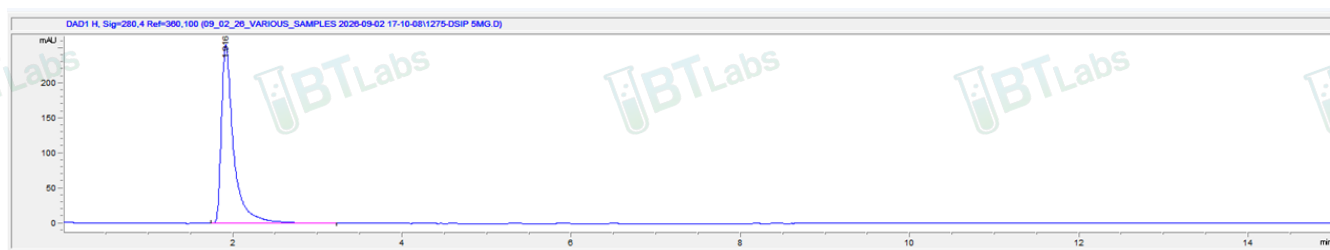
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FTIR ID and Composition Analysis: DSIP Lot DP0000019



HPLC Purity and Potency Assay @ 280 nm: DSIP Lot DP0000019



DSIP Lot DP0000019 @ 280 nm

Peak #:	Retention Time (min)	Area (mAU*s)
1	1.916	2564.3

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