Title:

Certificate of Analysis (CoA)

Date: 6/10/2026
Date Tested: 6/8/2026
Customer: JL Labs
Testing material: Glutathione
Lot Number: CLEARTOP1
BT Sample ID: 005000040394707
Labeled Peptide Content/Potency: 1500 mg
Storage: R.T.
Visual Description: Large amber vial: white sample, white label, silver crimp, clear plastic cap.
Labeled as: Glutathione
Manufacturer: JL 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	1544.6 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 Glutathione with addition of excipient(s)/fillers.
HPLC Purity of Peptide Assay	USP <621>	Specifications: ≥ 98 %	99.8 %
HPLC Potency Assay	USP <621>	Specifications: 90 – 110% of 1500 mg	1416.4 mg (94.4 %)
Peptide-to-Excipients Ratio	USP <1151>	Recommended ratios of (1:2) to (1:10) for (peptide: excipients)	1416.4 : 128.2 mg (1:0.1)

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

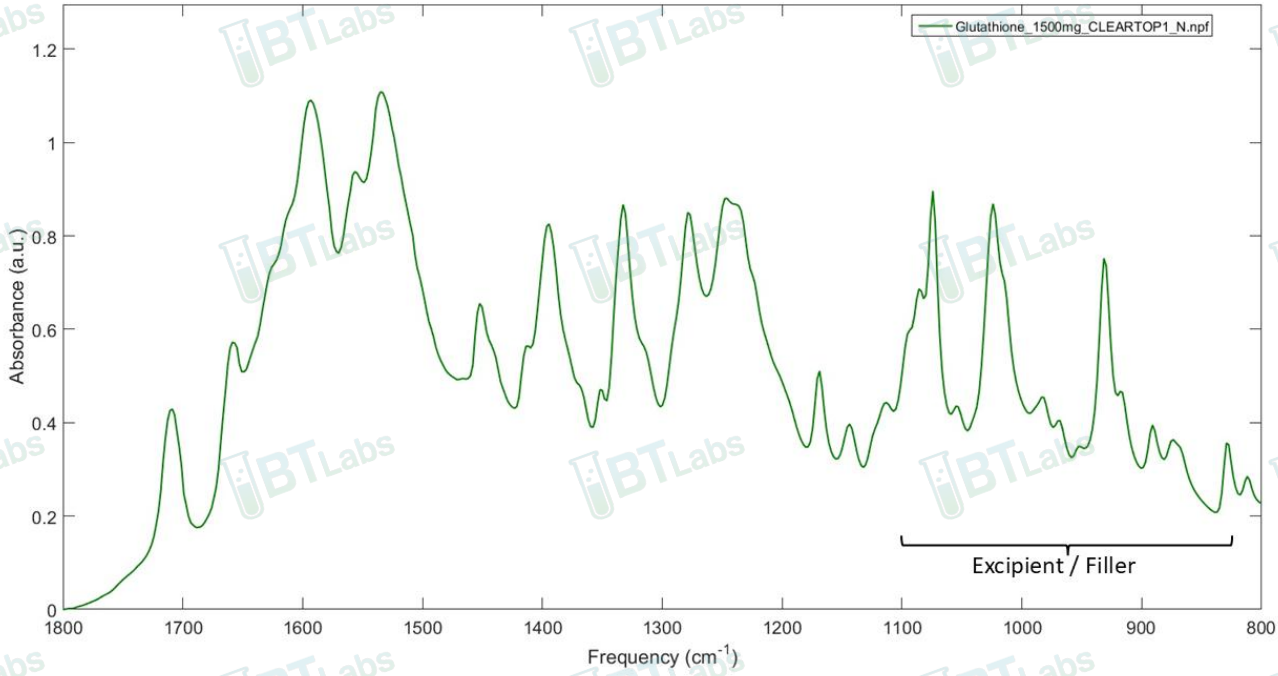
Verna Zheng, AS
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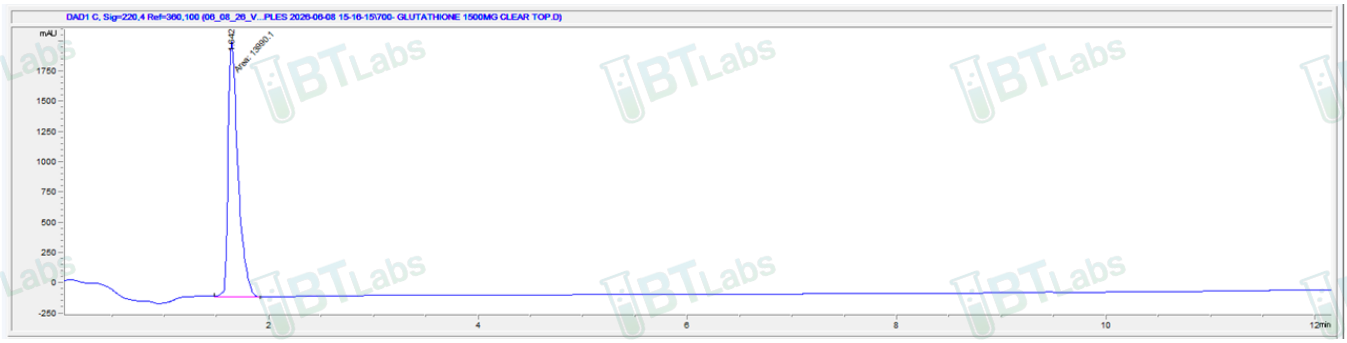
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FTIR ID and Composition Analysis: Glutathione Lot CLEARTOP1



HPLC Purity and Potency Assay @ 280 nm: Glutathione Lot CLEARTOP1



Glutathione Lot CLEARTOP1 @ 280 nm		
Peak #:	Retention Time (min)	Area (mAU*s)
1	1.642	14990.1

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