



Title:

Certificate of Analysis (CoA)

Date: 4/24/2026
Date Tested: 4/25/2026
Customer: Vertex Labs
Testing material: Glutathione
Lot Number: GL0000000038
BT Sample ID: 005000039742042
Labeled Peptide
Content/Potency: 600 mg
Storage: R.T.
Visual Description: Large amber vial: white sample, white label, silver crimp, grey plastic cap.
Labeled as: Glutathione
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 | 1124.9 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: $\geq 98\%$ | 99.7 % |
| HPLC Potency Assay | USP <621> | Specifications: 90 – 110% of 600 mg | 629.6 mg (104.9 %) |
| Peptide-to-Excipients Ratio | USP <1151> | Recommended ratios of (1:2) to (1:10) for (peptide: excipients) | 629.6 : 495.3 mg (1:0.8) |

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



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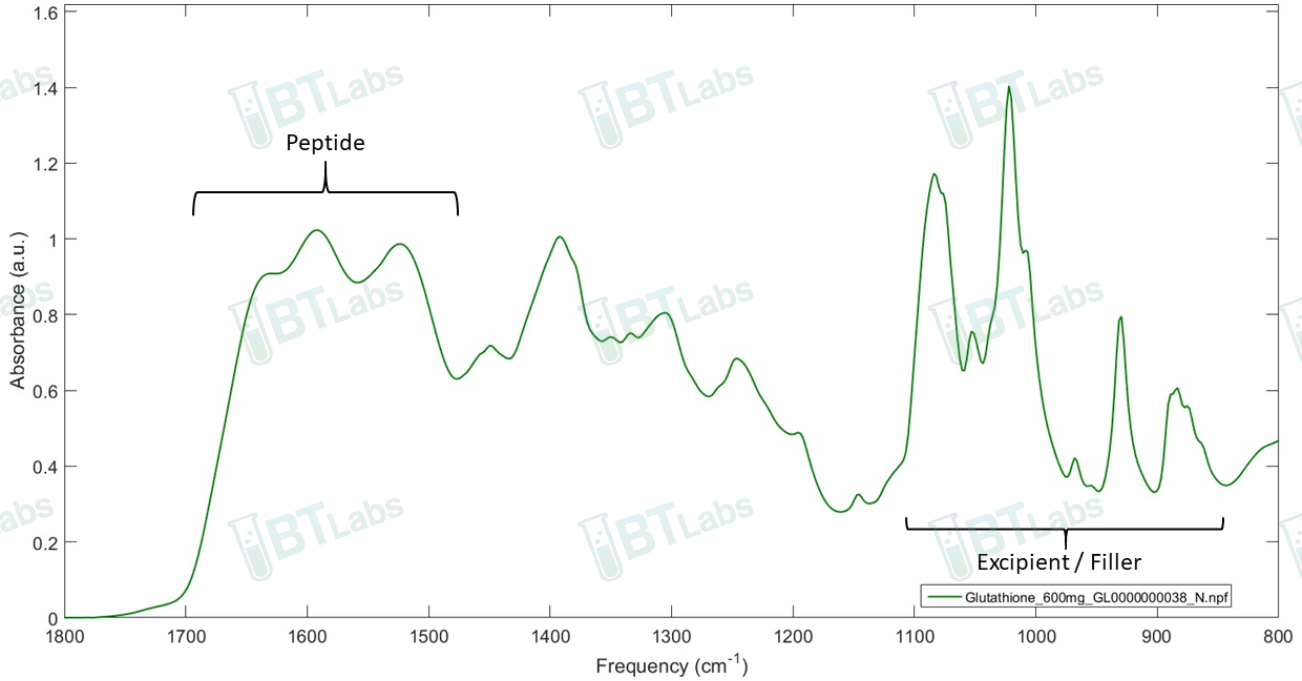
E-mail: info@btlabtesting.com | Website: <https://btlabtesting.com>



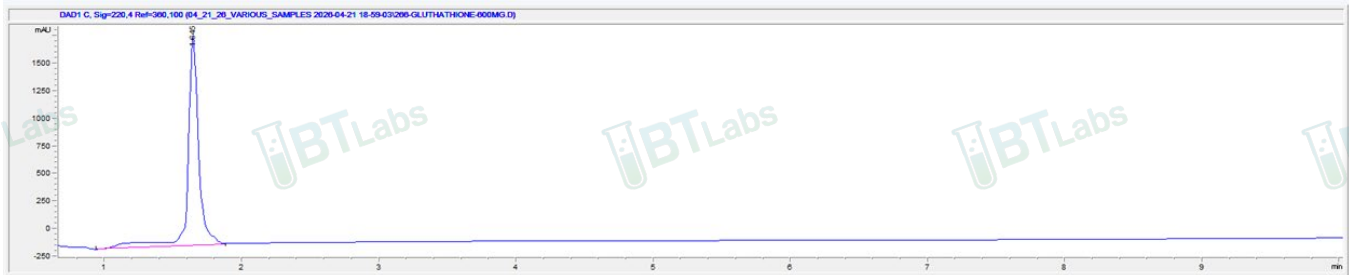
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FTIR ID and Composition Analysis: Glutathione Lot GL0000000038



HPLC Purity and Potency Assay @ 220 nm: Glutathione Lot GL0000000038



Glutathione Lot GL0000000038 @ 220 nm

| Peak #: | Retention Time (min) | Area (mAU*s) |
|---------|----------------------|--------------|
| 1 | 1.645 | 10609.1 |