



Report #:

COA261043-019

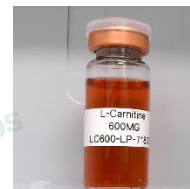
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Title:

## Certificate of Analysis (CoA)



**Date:** 8/10/2026  
**Date Tested:** 8/7/2026  
**Customer:** PepNova Labs  
**Testing material:** L-Carnitine + B12  
**Lot Number:** LC600-LP-71826  
**Content/Potency:** 600 mg  
**Storage:** R.T.  
**Visual Description:** Large clear vial: red liquid sample, white label, copper crimp, clear blue plastic cap.  
**Labeled as:** L-Carnitine  
**Manufacturer:** PepNova 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.



BT Labs

| Test                                         | Method        | Specification                                                                  | Result                                                                                                 |
|----------------------------------------------|---------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| General Appearance                           | USP<br><630>  | red liquid                                                                     | red liquid                                                                                             |
| Mass                                         | USP<br><41>   | As recorded                                                                    | 600 mg                                                                                                 |
| FTIR Identification and Composition Analysis | USP<br><197A> | Sample spectrum should confirm the content of peptide via characteristic bands | FTIR sample spectrum confirms the presence of L-Carnitine + B12 with addition of excipient(s)/fillers. |
| HPLC Purity of Peptide Assay                 | USP<br><621>  | Specifications: $\geq 98\%$                                                    | 98.2 %                                                                                                 |
| HPLC Potency Assay                           | USP<br><621>  | Specifications: 90 – 110% of 600 mg                                            | 566.3 mg (94.4 %)                                                                                      |

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

Andrea Castro, BS  
Scientist-II  
BTLabs

Escarlet Cabrieles, BS  
Scientist-II  
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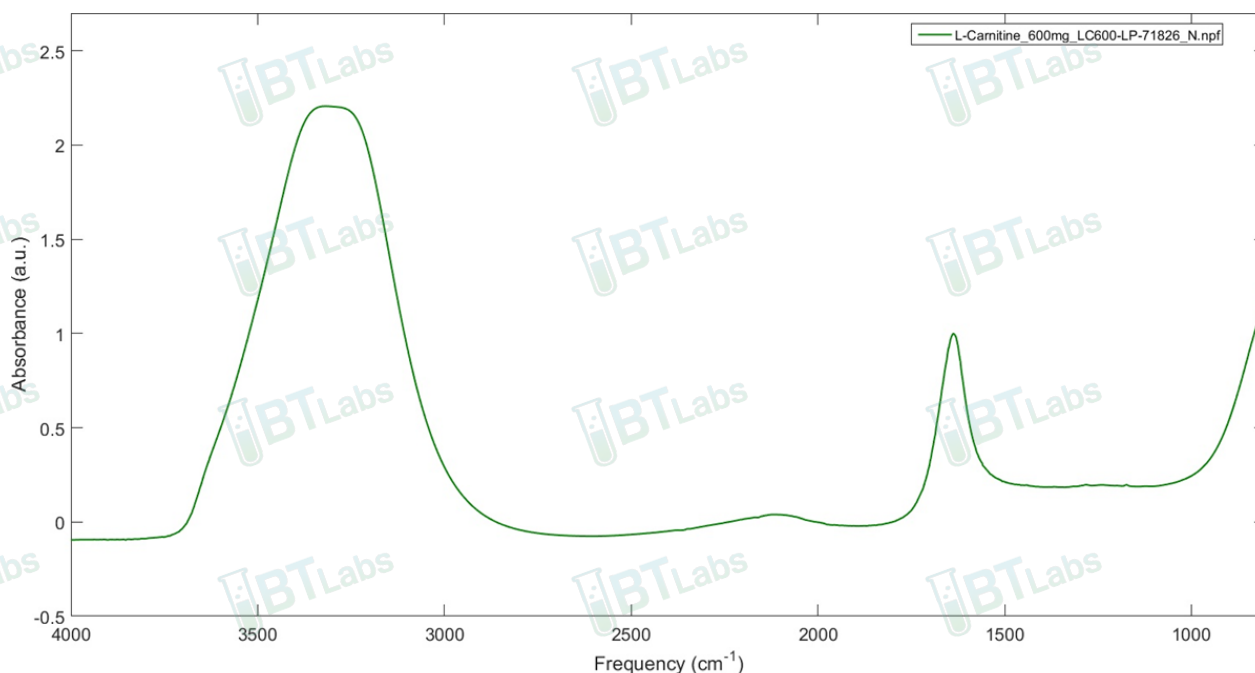
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Title:

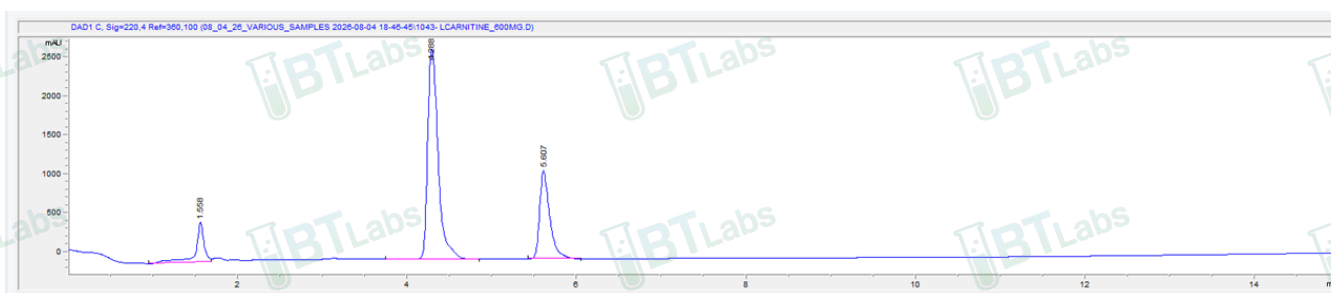
# Certificate of Analysis (CoA)



## FTIR ID and Composition Analysis: L-Carnitine Lot LC600-LP-71826



## HPLC Purity and Potency Assay @ 220 nm: L-Carnitine Lot LC600-LP-71826



### L-Carnitine Lot LC600-LP-71826 @ 220 nm

| Peak #: | Retention Time (min) | Area (mAU*s) |
|---------|----------------------|--------------|
| 1       | 1.558                | 3669.1       |