



## - Summary Report -

**Test Product:** **Thymalin 10mg**

**Client:** PureMD Labs

**Description:** Vial with White Powder - Sealed with plastic Security Cap - Flag Tag attached at neck with Manufacture/Product Sku Number - PO and Expiration on Flag Tag.

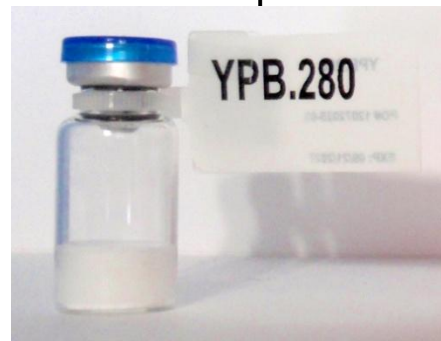
**Manufacturer:** YPB Labs

**Batch/Lot #:** (see flag tag)

| COMPONENT           | TEST                                      | SPECIFICATION                                                                                                                                                       | RESULT                   |
|---------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Thymalin (Thymulin) | Qualitative ID<br>Lambda Max              | TS $\lambda_{\max}$ is a match compared to its characteristic reference standard.*                                                                                  | Matches<br>∴ <b>Pass</b> |
|                     | Percent Purity<br>Correlation Coefficient | NLT 98%*<br>$r_{xy} = \frac{\sum_{i=1}^n (x_i - \bar{x}) \cdot (y_i - \bar{y})}{\sqrt{\sum_{i=1}^n (x_i - \bar{x})^2} \cdot \sqrt{\sum_{i=1}^n (y_i - \bar{y})^2}}$ | 99.5%<br>∴ <b>Pass</b>   |
|                     | Quantitative Assay<br>Beer-Lambert        | NLT 95% label claim (mg/vial)*<br>$\% = (A_{TS}/A_{STD}) \times (C_{STD}/C_{TS}) \times 100$                                                                        | 9.64mg<br>∴ <b>Pass</b>  |
|                     | Heavy Metals<br>Total Quantity            | NMT 150ppb/vial Heavy Metals<br>(including Pb, Cd, Hg, Ni, Fe & Co)                                                                                                 | <10ppb<br>∴ <b>Pass</b>  |
|                     | TAMC (Total Aerobic<br>Microbial Counts)  | NMT 100CFU/ml Aerobic/Coliform<br>incubated 48hrs @ 37°C*                                                                                                           | 0<br>∴ <b>Pass</b>       |
|                     | TYMC (Total Yeast<br>and Mold Counts)     | NMT 100CFU/ml Yeast & Molds<br>incubated for 48hrs @ 30°C*                                                                                                          | 0<br>∴ <b>Pass</b>       |

Tested on a Jenway 6715 UV/Vis Spectrophotometer.

\*Based on Substances For Pharmaceutical Use compendial SOP.



Performing Analyst Initial & Date:  3 January 2026

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