

PRODUCT INFORMATION

Field	Value
Product Name	Thymalin (Thymulin / STF)
Synonyms	Thymulin · Nonathymulin · Serum Thymic Factor (STF) · FTS
CAS Number	63958-90-7
Molecular Formula	
Molecular Weight	C ₃₃ H ₅₄ N ₁₂ O ₁₅
Quantity / Form	858.86 Da
Amino Acid Sequence	10 mg White Lyophilized Powder
Identity	pGlu-Ala-Lys-Ser-Gln-Gly-Gly-Ser-Asn-OH
Net Peptide Content	Confirmed — CAS 63958-90-7 MW 858.86 Da ESI+ z=1: [M+H] ⁺ 859.9
Overall Purity	10.00 mg (lyophilized, mannitol-free, no excipients)
CoA / Lot / QC	99.2%
Report Date	BPL872999 / 38209872 / QC #999
Client	29/08/2026
	Biopelabs Laboratories

ANALYTICAL SUMMARY

Test	Method	Specification	Result	Status
Identity (Mass)	ESI-HRMS	Δm < 5 ppm	859.9 [M+H] ⁺ · < 2 ppm	PASS
Purity (RP-UHPLC)	UV 214 nm		99.2%	PASS
Net Peptide Content	UHPLC-MS	≥99.0% area	99.2%	PASS
Related Substances	RP-UHPLC	≥8.0%	0.8%	PASS
Endotoxin (LAL)	PTS · 1:10	≤1.0% total		PASS
Appearance	Visual	< 1.0 EU/mg	< 0.05 EU/mL	PASS
		White lyoph. powder	Conforms	PASS

TECHNICAL NOTE

Thymalin (Thymulin / Serum Thymic Factor) is a synthetic nonapeptide with sequence pGlu-Ala-Lys-Ser-Gln-Gly-Gly-Ser-Asn-OH. The N-terminal pyroglutamate (pGlu) confers resistance to aminopeptidase degradation. Thymulin requires Zn²⁺ for full biological activity. UV detection at 214 nm ONLY (no Tyr, Phe, Trp residues present). Freely soluble in deionized water or WFI. Store at 20 °C, desiccated, away from light. PubChem CID: 3085284.



AUTHORIZATION

Reviewed & Released by

Jefrey Collins
Operations Manager
Biopelabs Laboratories

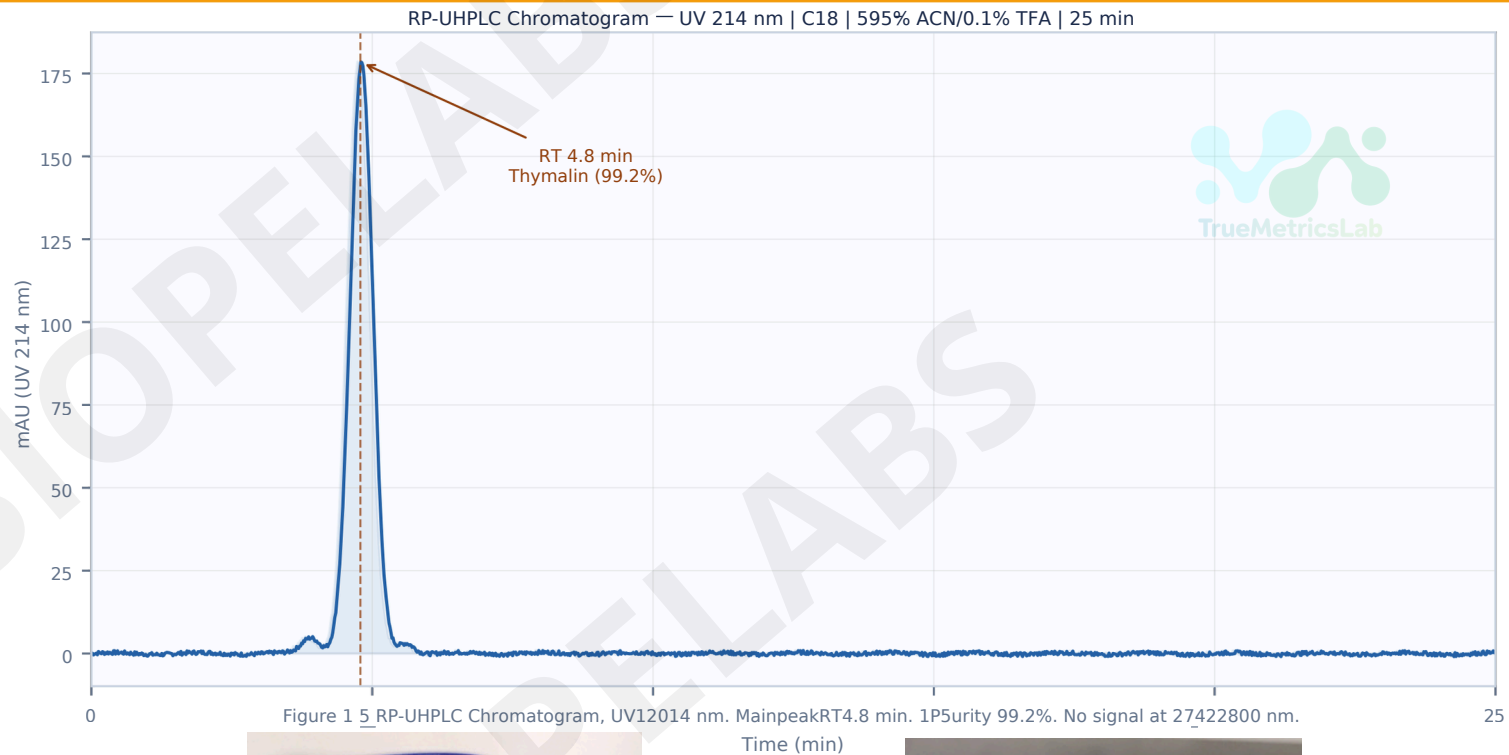


Report Date / Reference

29/08/2026
Lot: 38209872
CoA: BPL872999

Solubility / Storage

Deionized Water or WFI
-20 °C · desiccated
Protected from light



Thymalin 10mg | Lot 38209872

