

Certificate of Analysis

Thymalin

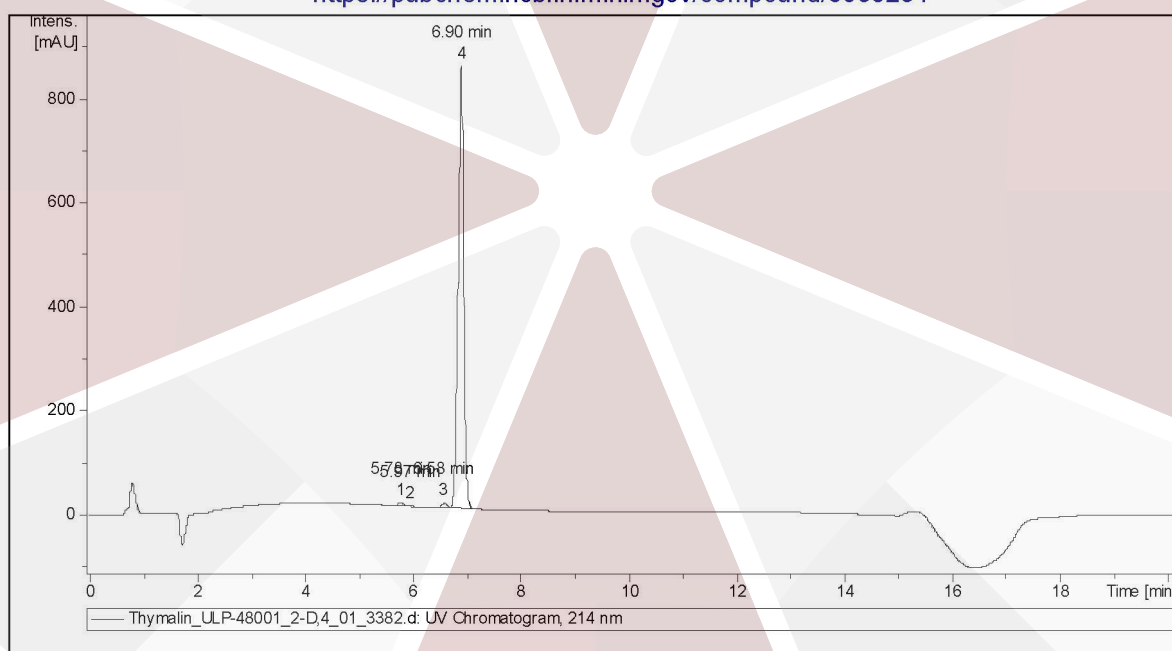
Synthetic Thymulin

Compound : Thymalin
Lot number : ULP-48001
Analysis date : 2023-07-05
Purity % : 98.4%
Method : Mass Spectrometry and UV

Client : UMBRELLA.us
 3280 E Hemisphere Loop
 Tucson, Arizona 85706

PubChem CID: 3085284

<https://pubchem.ncbi.nlm.nih.gov/compound/3085284>



PEAK LIST	Number of detected peaks: 4		
Time (min)	Area	%Area	
5.78	4.06E+01	0.7	
5.97	3.36E+00	0.1	
6.58	5.73E+01	0.9	
6.90	6.11E+03	98.4	Thymalin

Purity determined using UV detection
 Peak identity confirmed by mass spectrum evaluation
 Expected mass : 858.38 g
 Measured mass : 858.37 g
 Molecular weight confirmed

Note: Injectable peptides may contain salts and sugars to aid in solubility and act as pH buffers. These are not normally detected using UV and are not considered impurities.

Analysis Performed by
 Ken Pendarvis, ChE
 Analytical Chemist
 MZ Biolabs
contact@mzbiolabs.com



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