

Certificate of Analysis

Human Chorionic Gonadotropin

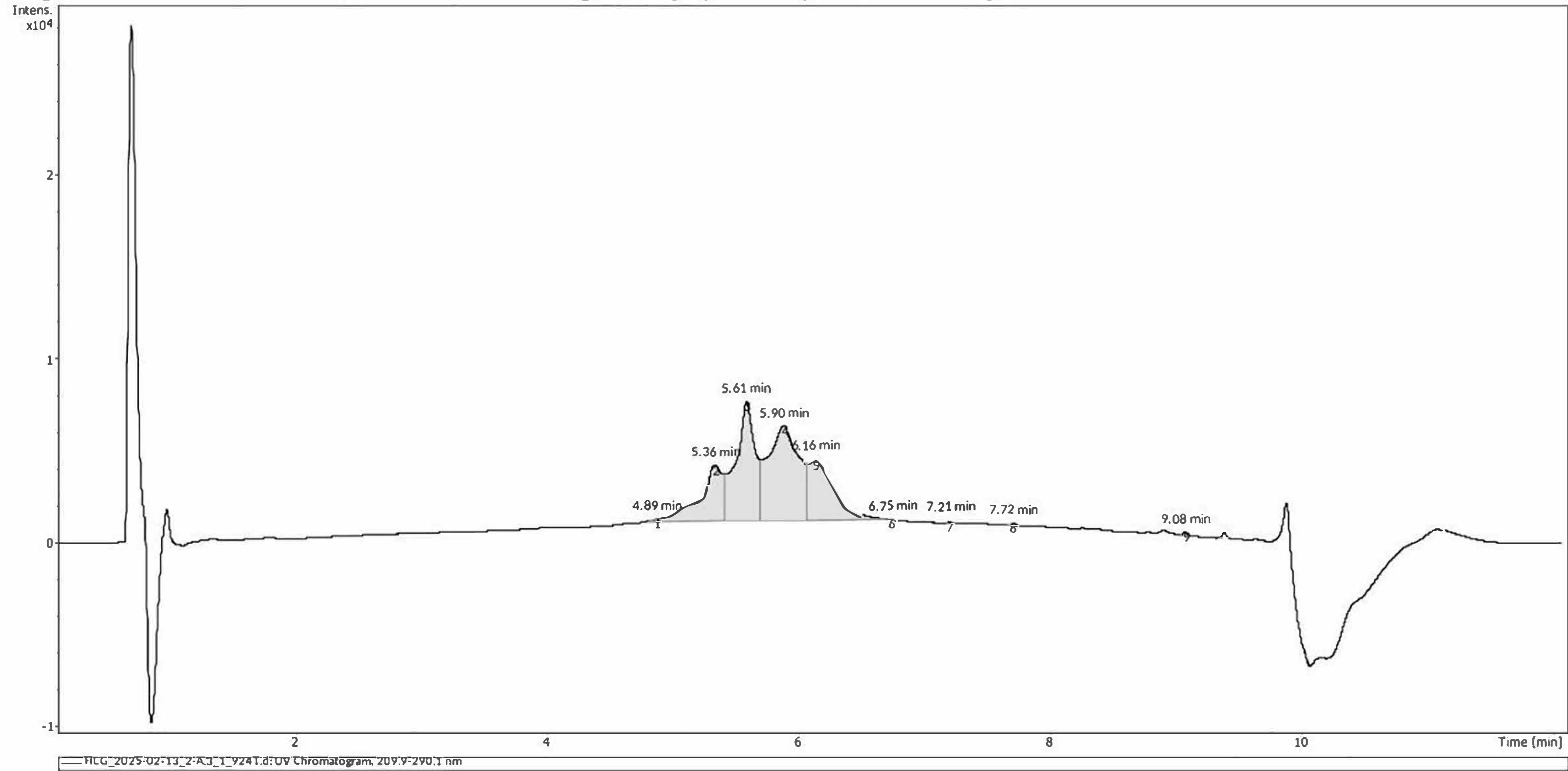
HCG

Compound : HCG
Lot number : PS-HCG10021926
Analysis date : 2026-02-19
Purity % : 99.67%
Method : HPLC-UV

Client : Pep Solutions

<https://www.ncbi.nlm.nih.gov/books/NBK532950/>

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST		Number of detected peaks: 9		
	Time (min)	Area	%Area	
1	4.89	8.61E+01	0.04	
2	5.36	3.73E+04	15.31	HCG isoform
3	5.61	6.82E+04	28.03	HCG isoform
4	5.90	8.84E+04	36.33	HCG isoform
5	6.16	4.87E+04	20.00	HCG isoform
6	6.75	4.56E+01	0.02	
7	7.21	5.11E+01	0.02	
8	7.72	2.20E+02	0.09	
9	9.08	4.10E+02	0.17	

Overall Purity : 99.67

Chorionic gonadotropin contains a number of glycosylated isoforms. It presents as a cluster of peaks with similar molecular weight, varying based on the degree of glycosylation.

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.

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