

Certificate of Analysis

HumanChorionicGonadotropin

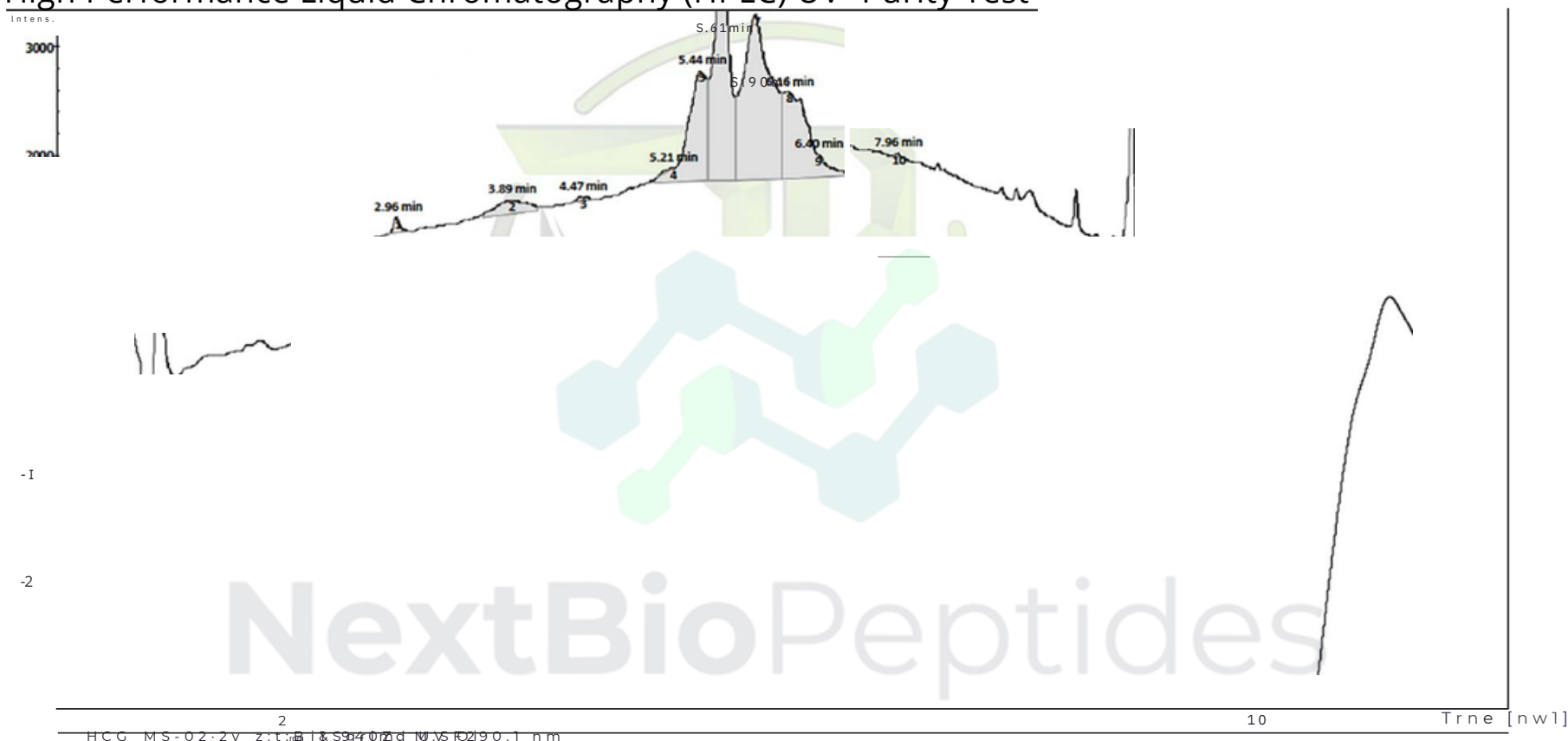
HCG

Compound HCG 2025-
 Lot number 02-20
 Analysis date 2025-02-27
 Purity% : 95.26%
 Method HPLC-UV

Client: **Bio Prime**
www.bioprimeusa.com/

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

High Performance Liquid Chromatography (HPLC) UV -Purity Test




PEAK LIST		Number of detected peaks: 10		
	Time (min)	Area	%Area	
1	2.96	5.62E+02	0.80	
2	3.89	2.42E+03	3.45	
3	4.47	2.72E+02	0.39	
4	5.21	1.52E+02	0.22	HCG isoform
5	5.44	1.13E+04	16.11	HCG isoform
6	5.61	1.88E+04	26.71	HCG isoform
7	5.90	2.44E+04	34.72	HCG isoform
8	6.16	1.22E+04	17.44	HCG isoform
9	6.40	4.11E+01	0.06	HCG isoform
10	7.96	7.98E+01	0.11	

Overall Purity: 95.26

Analysis Performed by
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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.


 2025-03-13