

Certificate of Analysis

Human Chorionic Gonadotropin

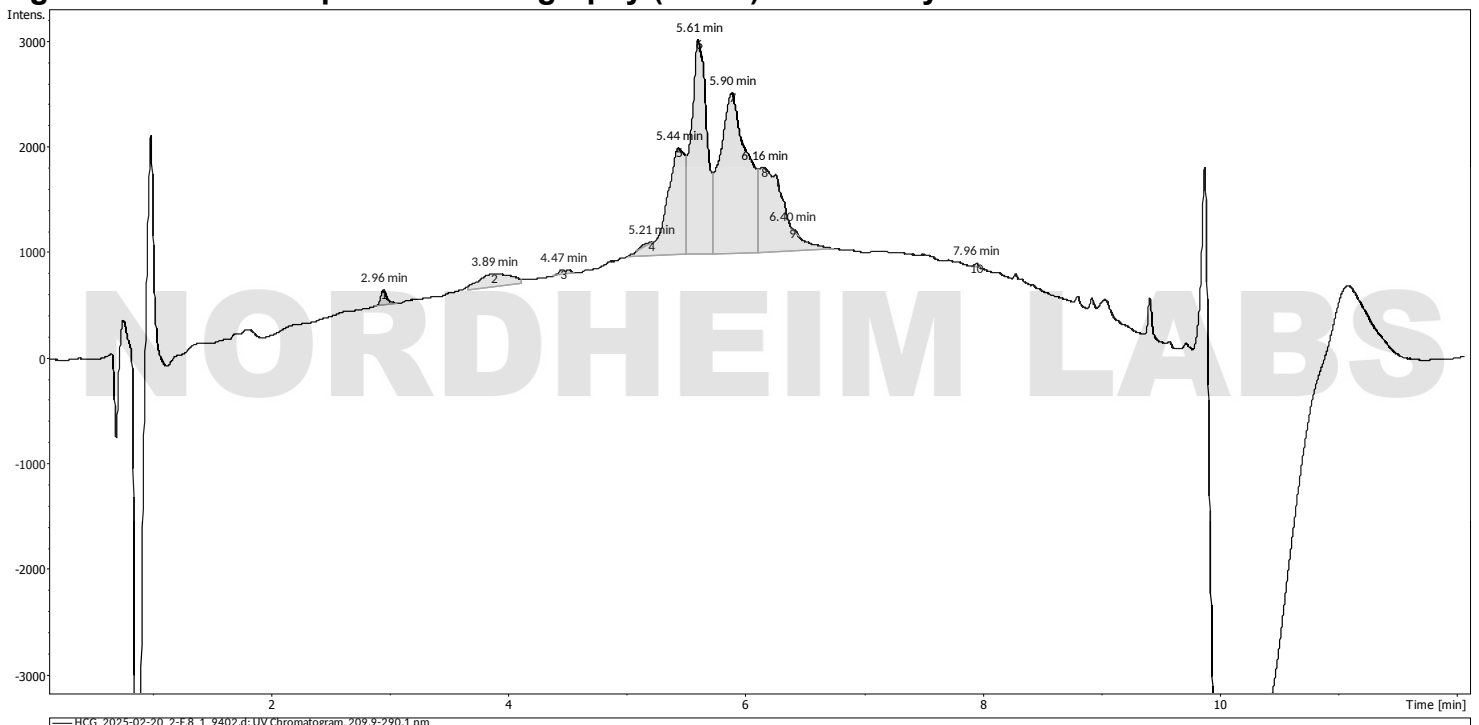
HCG

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

Client : Nordheim Labs
<https://nordheimlabs.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

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.

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



2025-03-13