

Certificate of Analysis

Human Chorionic Gonadotropin 5000IU

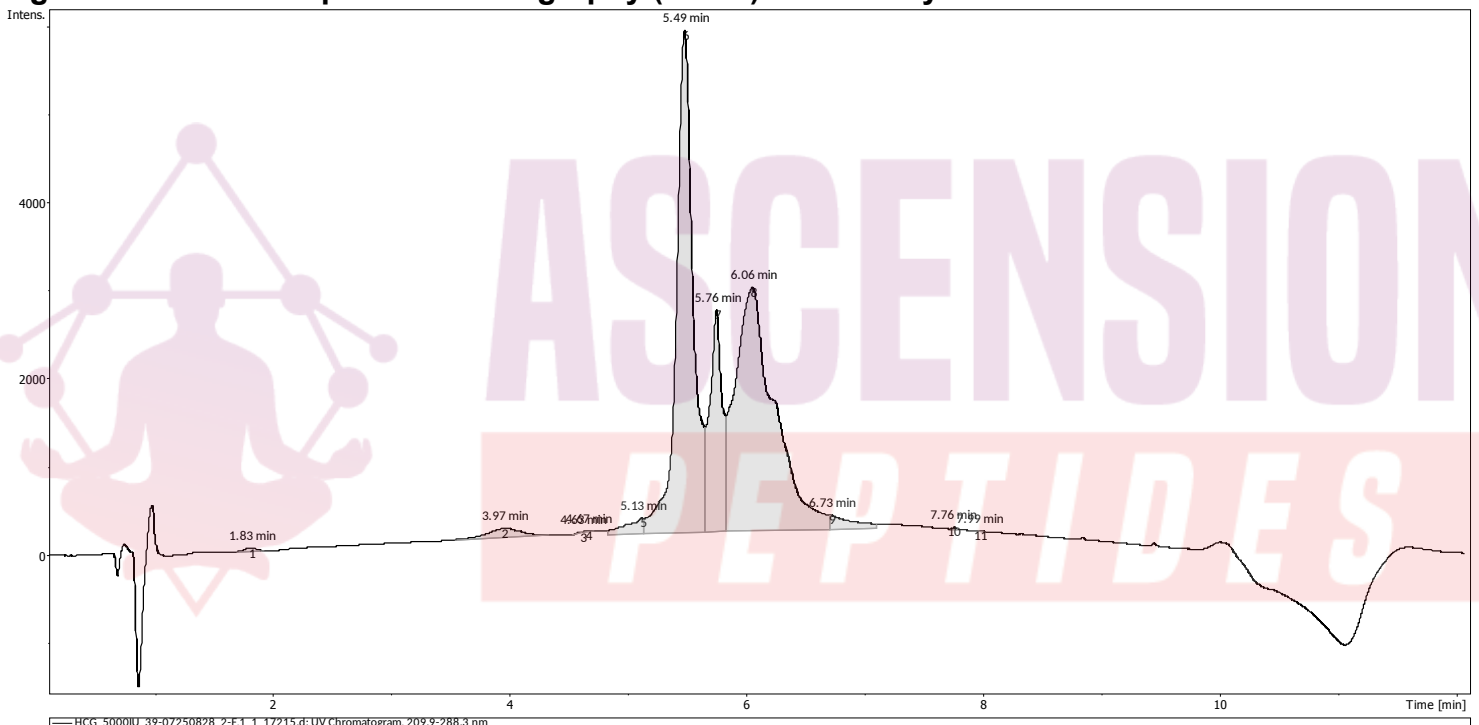
HCG

Compound : HCG
Lot number : 39-07250828
Analysis date : 2025-09-15
Purity % : 98.25%
Method : HPLC-UV

Client : Ascension Peptides
www.ascensionpeptides.com

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

High Performance Liquid Chromatography (HPLC) UV – Purity Test



| PEAK LIST | | Number of detected peaks: 11 | | |
|-----------|------------|------------------------------|-------|-------------|
| | Time (min) | Area | %Area | |
| 1 | 1.83 | 2.57E+02 | 0.18 | |
| 2 | 3.97 | 2.13E+03 | 1.46 | |
| 3 | 4.63 | 2.59E+01 | 0.02 | |
| 4 | 4.67 | 5.20E+01 | 0.04 | |
| 5 | 5.13 | 1.89E+03 | 1.29 | HCG isoform |
| 6 | 5.49 | 5.65E+04 | 38.75 | HCG isoform |
| 7 | 5.76 | 1.84E+04 | 12.60 | HCG isoform |
| 8 | 6.06 | 6.45E+04 | 44.18 | HCG isoform |
| 9 | 6.73 | 2.09E+03 | 1.43 | HCG isoform |
| 10 | 7.76 | 4.08E+01 | 0.03 | |
| 11 | 7.99 | 2.38E+01 | 0.02 | |

Overall Purity : 98.25

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
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