MZ Biolabs
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PROOF OF AUTHENTICITY

# Certificate of Analysis

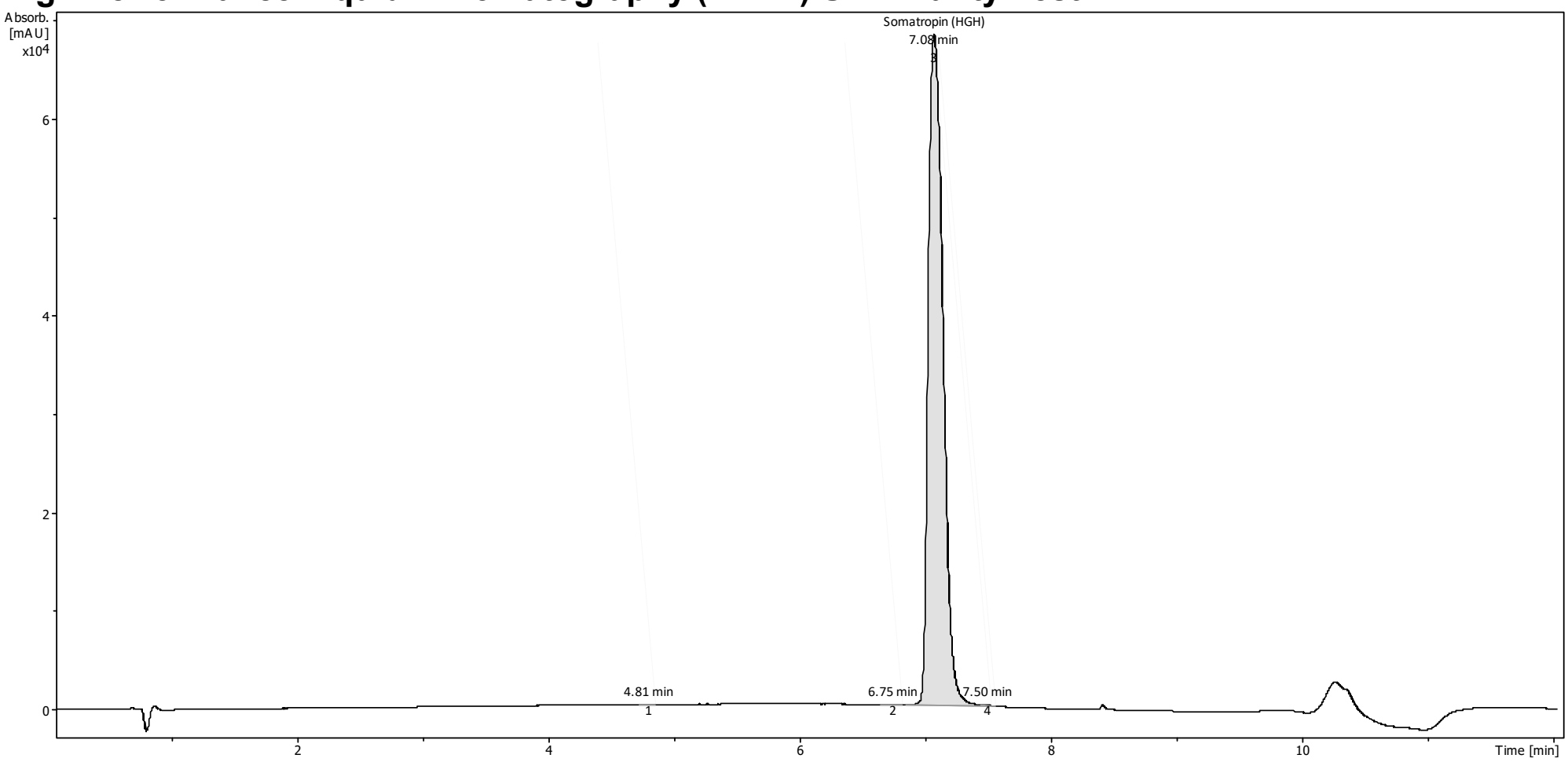
## Human Growth Hormone 36IU

Somatropin, 191 amino acids

**Compound** : **HGH**
**Lot number** : **206-06-11**
**Analysis date** : **2026-06-19**
**Purity %** : **99.91%**
**Method** : **HPLC-UV-MS**

**Client :**

## High Performance Liquid Chromatography (HPLC) UV – Purity Test




HGH_36IU_2026-06-11_1-D,6_1_23064.d: UV Chromatogram, 209.9-290.1 nm

| PEAK LIST | Number of detected peaks: 4 | | | |
|---|---|---|---|---|
| | Time (min) | Area | %Area | |
| 1 | 4.81 | 1.11E+02 | 0.02 | |
| 2 | 6.75 | 2.23E+02 | 0.04 | |
| 3 | **7.08** | **5.60E+05** | **99.91** | **HGH** |
| 4 | 7.50 | 1.48E+02 | 0.03 | |

**Mass spectrum on the following page confirms no dimer is present.**

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
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2026-06-25

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# Human Growth Hormone  36IU

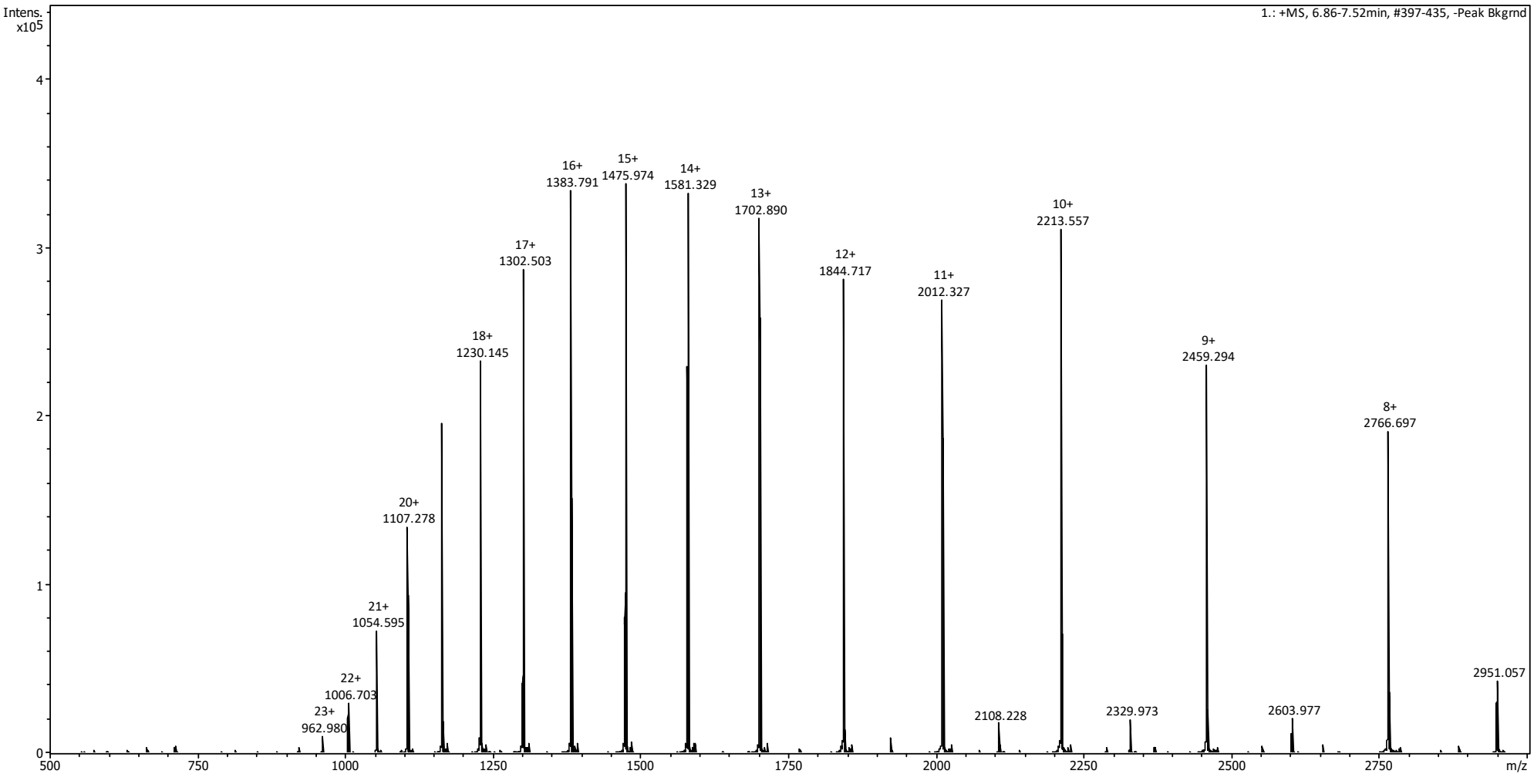
Somatropin, 191 amino acids

## Mass Spectrometry (MS) – Identity Test

**Identity confirmed using HPLC-MS**
Molecular weight calculated using base peak m/z values from mass spectrum
Expected average mass : 22124 Da
Measured base peak mass : 22124 Da
**Molecular weight confirmed**

Note : The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum




**Mass Spectrum confirms no dimer is present.**

HGH dimer presents as a second, overlapping latter with the charge states being doubled.

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2026-06-25