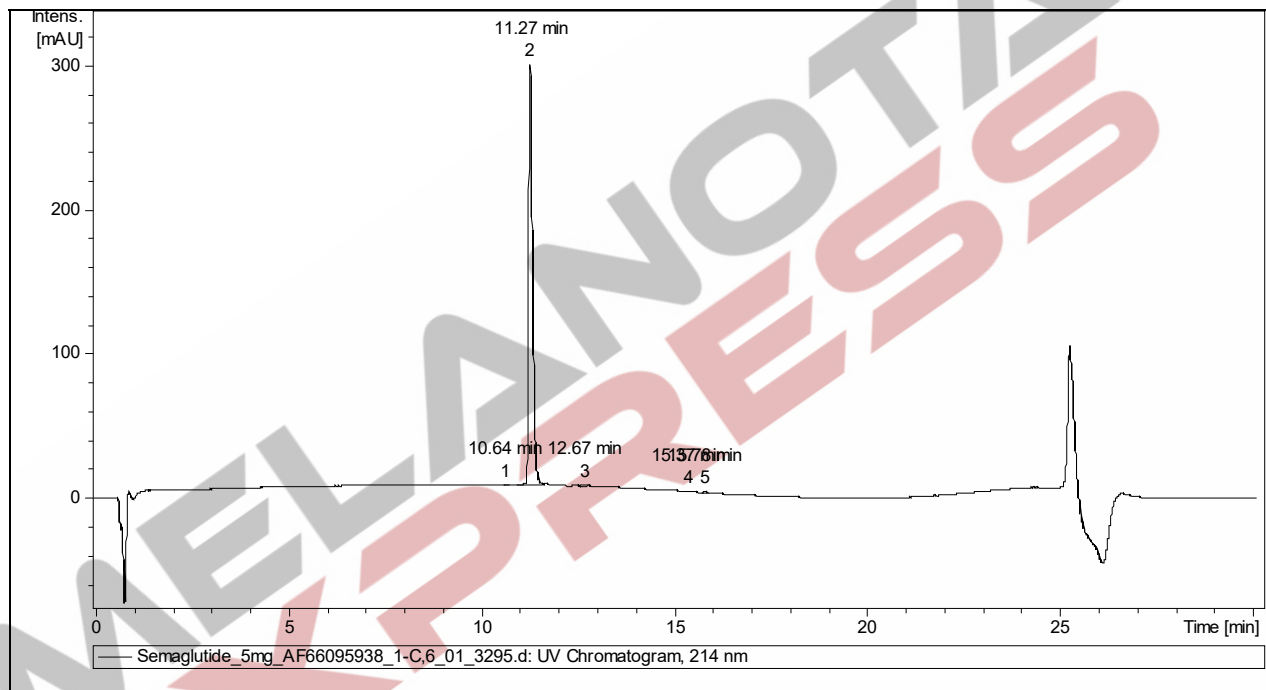


# Certificate of Analysis

## Semaglutide 5 mg

**Compound** : Semaglutide **Client** : Melanotan Express  
**Lot number** : 2023-06-22  
**Analysis date** : 2023-07-05  
**Purity %** : 99.4%  
**Quantity** : 5.15 mg  
**Method** : Mass Spectrometry and UV

PubChem CID: 56843331  
<https://pubchem.ncbi.nlm.nih.gov/compound/56843331>



| PEAK LIST    | Number of detected peaks: 5 |             |                    |
|--------------|-----------------------------|-------------|--------------------|
| Time (min)   | Area                        | %Area       |                    |
| 10.64        | 1.20E+00                    | 0.1         |                    |
| <b>11.27</b> | <b>2.09E+03</b>             | <b>99.4</b> | <b>Semaglutide</b> |
| 12.67        | 3.60E+00                    | 0.2         |                    |
| 15.37        | 5.10E+00                    | 0.2         |                    |
| 15.78        | 2.89E+00                    | 0.1         |                    |

Purity determined using UV detection  
Peak identity confirmed by mass spectrum evaluation  
Expected mass : 4111.12 g  
Measured mass : 4111.12 g  
Molecular weight confirmed

Quantification by UV 280 nm  
Measured quantity : 5.15 mg/vial

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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2023-07-06