



# TEST REPORT

E: [contact@tjqxgd.com](mailto:contact@tjqxgd.com)

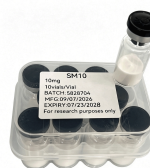
W: [www.tjqxgd.com](http://www.tjqxgd.com)

SM10-20260908S6179

Sample Received: 2026-09-08

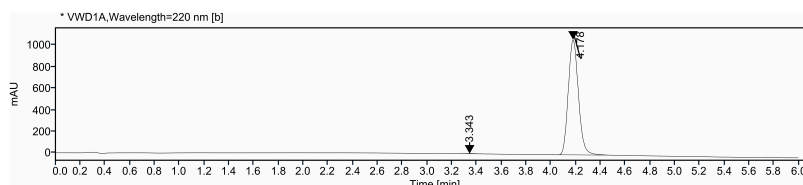
Authentication Code:

Analysis date: 2026-09-09



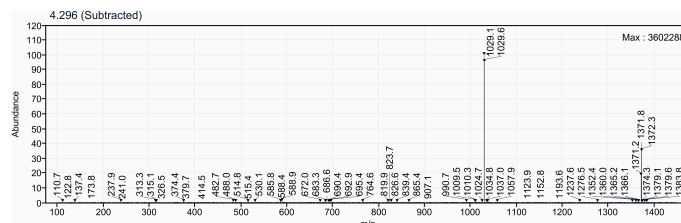
|              |                                                                                          |                  |             |
|--------------|------------------------------------------------------------------------------------------|------------------|-------------|
| Compound     | SM10/Semaglutide                                                                         | CAS Number       | 910463-68-2 |
| Formula      | C <sub>187</sub> H <sub>291</sub> N <sub>45</sub> O <sub>59</sub>                        | Molecular Weight | 4114.0      |
| Batch Number | 5828704                                                                                  |                  |             |
| Manufacturer | <a href="https://pllaboratory.com">https://pllaboratory.com</a> Telegram:@Factory_Global |                  |             |

## HPLC-MS Details:



Signal: \* VWD1A,Wavelength=220 nm [b]

| RT [min] | Type | Width [min] | Area      | Height    | Area%   |
|----------|------|-------------|-----------|-----------|---------|
| 3.343    | MM m | 0.2076      | 11.3552   | 2.1176    | 0.1864  |
| 4.178    | MM m | 0.4829      | 6081.2177 | 1070.3174 | 99.8136 |
| Sum      |      |             | 6092.5730 |           |         |



## Result:

| Test Items         | Specification                            | Results      |
|--------------------|------------------------------------------|--------------|
| Appearance         | White to off-white powder                | White powder |
| Purity (LCMS/HPLC) | ≥ 99.0%                                  | 99.81%       |
| Mass Spectrum      | Conforms to [M+5/4/3H] <sup>5/4/3+</sup> | Detected     |
| Peptide Weight     | 11.75 mg                                 |              |

*Peng Gao*

*Zhibo Li*

Peng Gao, Data Compilation

Zhibo Li, Technical Review

### 重要声明 / Important Notice

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# LCMS Sample Purity - Detailed Report



**Result set name:** SingleSample

**Data file:** SM10.dx

**Sample name:** SM10

**Instrument:** LCMS

**Inj. volume:** 5.000 µL

**Acq. method:** LCMS-02AB.amx

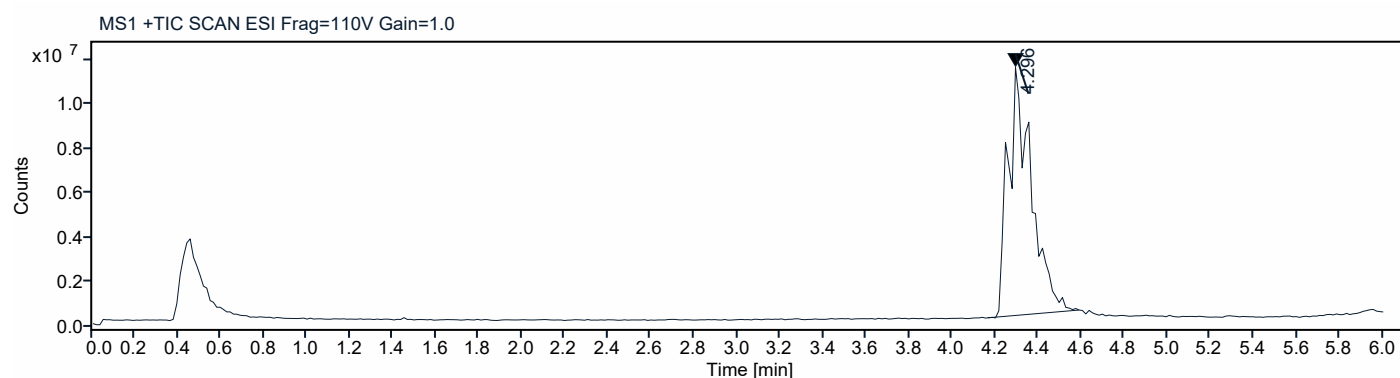
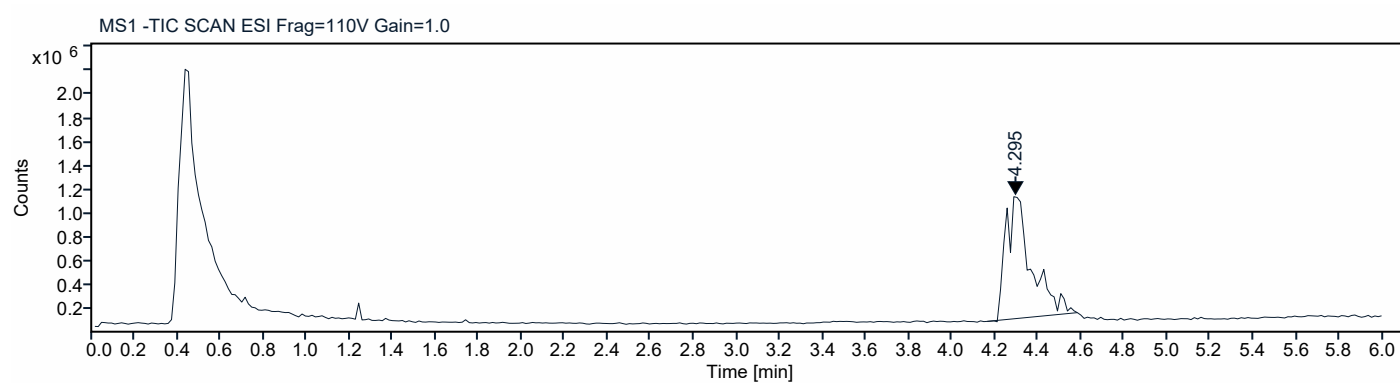
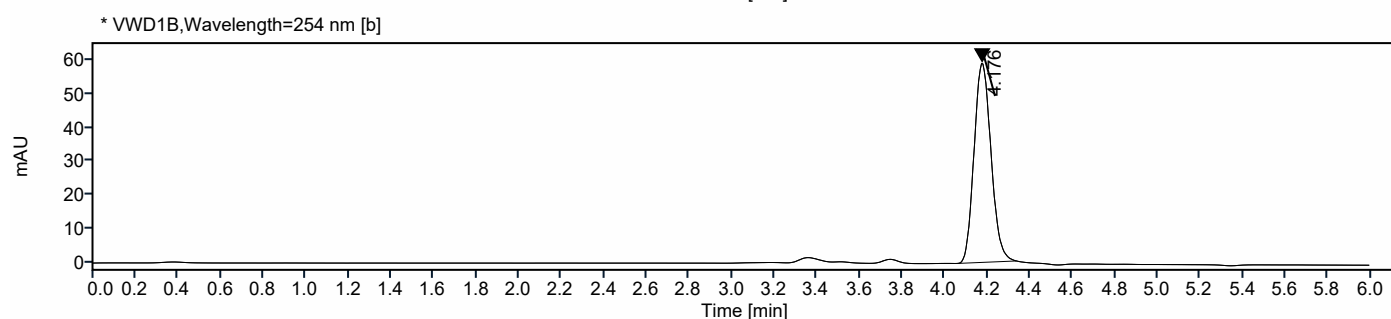
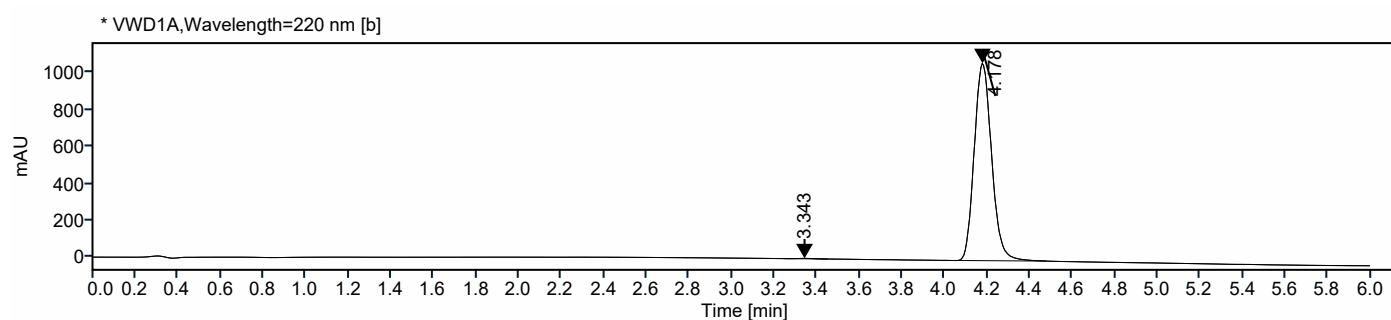
**Processing method:** LCMS-LJJ.pmx

**Project name:** 2026

**Operator:** admin

**Acquired on:** 2026-09-09 09:56:12+08:00

**Location:** P1-F4



**Signal:** MS1 +TIC SCAN ESI Frag=110V Gain=1.0

| RT [min]   | Type | Width [min] | Area                      | Height            | Area%    |
|------------|------|-------------|---------------------------|-------------------|----------|
| 4.296      | MM m | 0.4244      | 84289744.24<br>54         | 11213826.36<br>32 | 100.0000 |
| <b>Sum</b> |      |             | <b>84289744.24<br/>54</b> |                   |          |

**Signal:** MS1 -TIC SCAN ESI Frag=110V Gain=1.0

| RT [min]   | Type | Width [min] | Area                     | Height           | Area%    |
|------------|------|-------------|--------------------------|------------------|----------|
| 4.295      | MM m | 0.4188      | 8534646.71<br>02         | 1033425.25<br>63 | 100.0000 |
| <b>Sum</b> |      |             | <b>8534646.71<br/>02</b> |                  |          |

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| 3.343      | MM m | 0.2076      | 11.3552          | 2.1176    | 0.1864  |
| 4.178      | MM m | 0.4829      | 6081.2177        | 1070.3174 | 99.8136 |
| <b>Sum</b> |      |             | <b>6092.5730</b> |           |         |

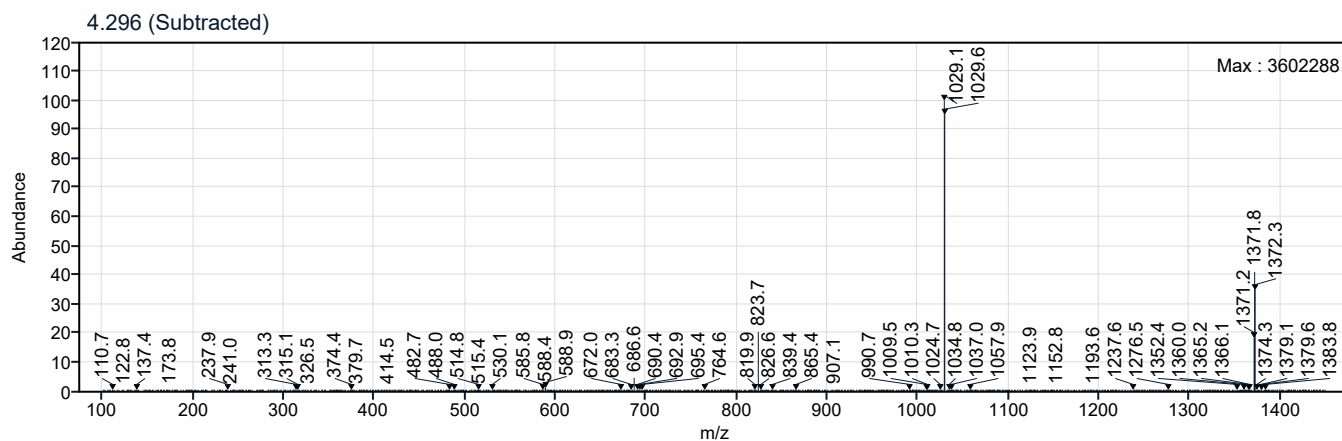
**Signal:** \* VWD1B,Wavelength=254 nm [b]

| RT [min]   | Type | Width [min] | Area            | Height  | Area%    |
|------------|------|-------------|-----------------|---------|----------|
| 4.176      | BM m | 0.2837      | 327.6832        | 59.2308 | 100.0000 |
| <b>Sum</b> |      |             | <b>327.6832</b> |         |          |

## Peak Details (Area Percent at least 1%)

**Signal Description:** MS1 +TIC SCAN ESI Frag=110V Gain=1.0

**Peak RT:** 4.296 min **Area %:** 100.00%



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**Peak RT:** 4.295 min **Area %:** 100.00%

