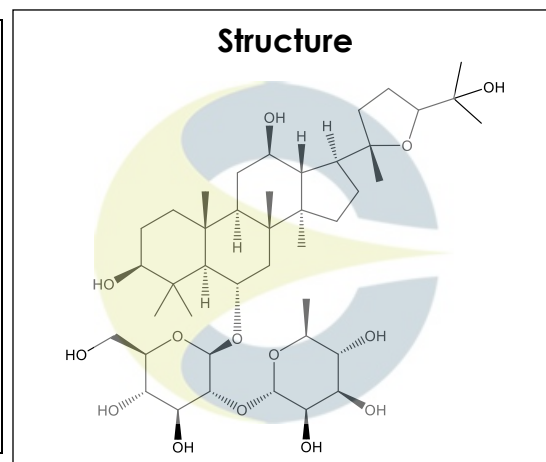


Certificate of Analysis

For Laboratory Use Only

| | |
|-----------------------|--------------------------|
| PRODUCT NAME | Ginsenoside F11 |
| PART NUMBER | 00007270 |
| STANDARD TYPE | Analytical Standard (AS) |
| LOT NUMBER | 00007270-408 |
| REPORT NUMBER | CDXA-RSS-9674-00 |
| SAMPLE NUMBER | CDXP-22-00113 |
| DATE OF SAMPLE | 02/07/2022 |
| DATE OF REPORT | 02/23/2022 |



| | |
|------------------------------|---|
| CHEMICAL NAMES | Aglycone F11 |
| CHEMICAL FORMULA | C ₄₂ H ₇₂ O ₁₄ |
| MOLECULAR WEIGHT (MW) | 801.01 |
| CHEMICAL FAMILY | Saponins |
| CAS NUMBER | [115038-42-1] |
| EC#(EINECS) | NA |
| RTECS | NA |

ANALYTICAL RESULTS

| TEST | METHOD | SPECIFICATION | RESULT |
|---------------|--------------------|---------------|--------------|
| HPLC | 0.700.10.2.METH102 | ≥ 75% | 96.4% |
| Mass Spectrum | 0.700.12.27 | Conforms | Conforms |
| Appearance | NA | NA | White powder |

STORAGE CONDITIONS

| | |
|------------------------|-------------------------------------|
| STORAGE | Room Temperature in a dry place. |
| EXPIRATION DATE | 02/2027 under the above conditions. |

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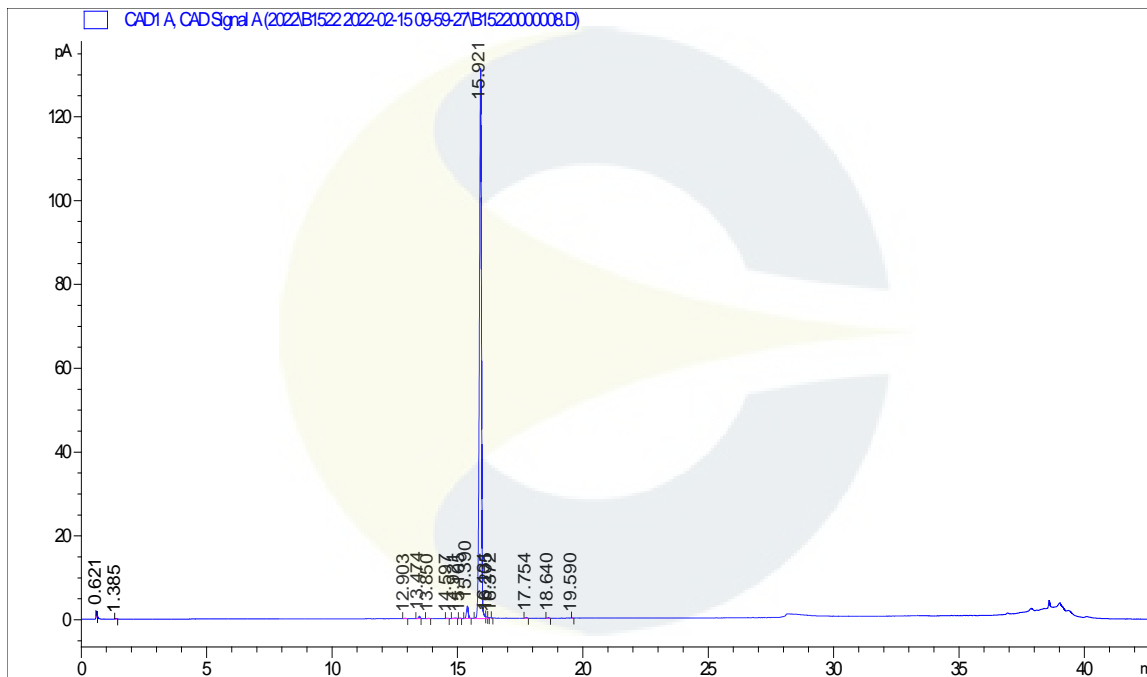
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ANALYTICAL CONDITIONS

| | |
|------------------------|--|
| INSTRUMENT | AGILENT 1260 HPLC UV-VIS (DAD) CONNECTED TO DIONEX CORONA VEO CHARGED AEROSOL DETECTOR (CAD); AB-SCIEX 6600 TRIPLE TOF |
| COLUMN | Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size |
| MOBILE PHASE | A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes. |
| COLUMN TEMP. | 60 °C |
| FLOW RATE | 0.4 mL/minute |
| INJECTION VOL. | 10 µL |
| INJECTION CONC. | 1.3 mg/mL in Methanol |
| DETECTION | CAD |

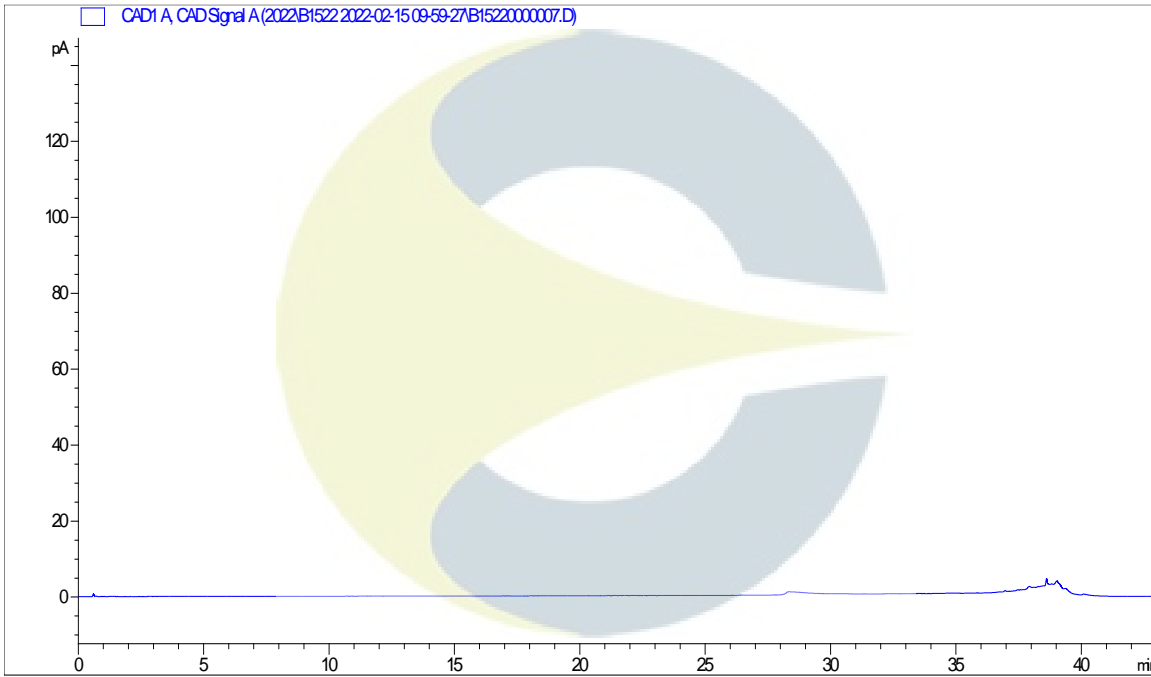
HPLC CHROMATOGRAM OF GINSENOSE F11 (CDXP-22-00113)



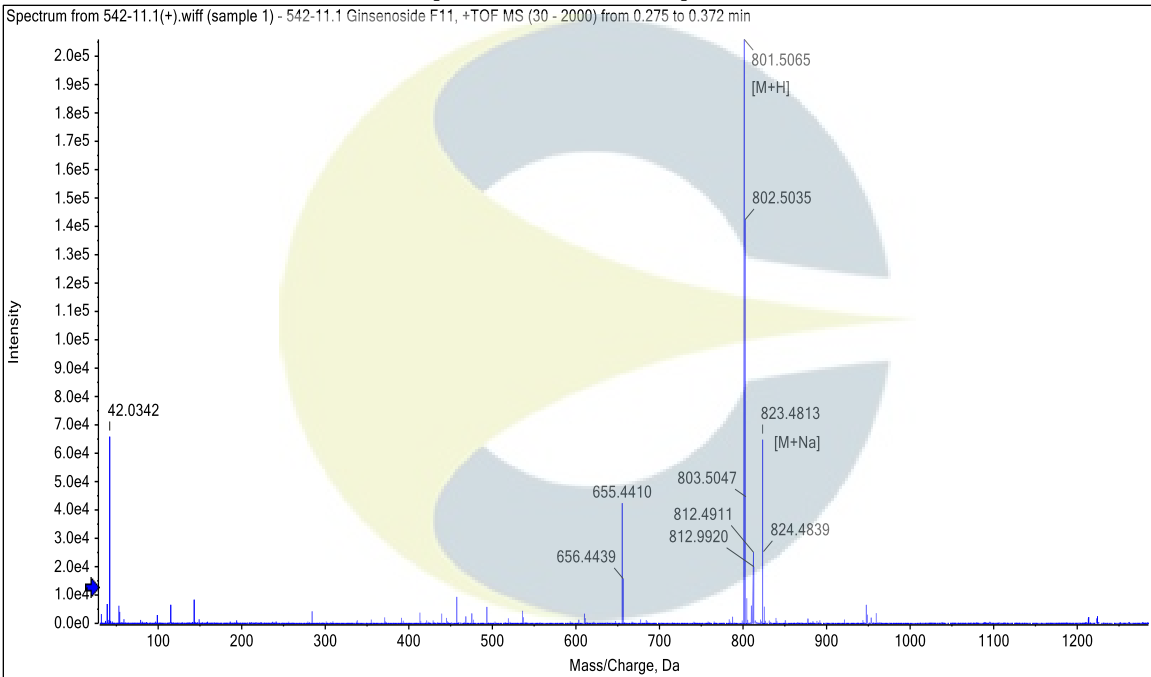
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HPLC CHROMATOGRAM OF DILUENT BLANK



MASS SPECTRUM OF GINSENSOSIDE F11 (CDXP-22-00113)



REVISION HISTORY

| <u>Revision History</u> | <u>Date of Revision</u> | <u>Document/Changes</u> |
|-------------------------|-------------------------|-------------------------|
| 00 | 02/23/2022 | New report |

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