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|  | บริษัท จีทีจี แพลนท์ แฟคตอรี จำกัด (โรงผลิตปลูกและสกัดพืชกัญชง แม่กรณ์ เชียงราย) | | |
| | Document No.: FM-QA-034 | Title : Potency Test Report | |
| | Issued date : 01/11/2022 | Rev.No.: 002 | Page : 1/4 |


Sample Code : Cluster bomb (Lot No. C-FW-DR-07-07F22-A)

Sample Type : Dried flower

Date of analysis : 12-11-22

| Test | Result | | | | Analyst | Remark |
|------------------|-----------|---|-------|-------|---------|-------------------|
| Potency | Total CBD | = | 0.13 | % w/w | | ND = Not Detected |
| | Total THC | = | 16.01 | % w/w | | |
| | Total CBG | = | 0.42 | % w/w | | |
| | Total CBN | = | ND | % w/w | | |
| Moisture content | Moisture | = | 15.7 | % | | - |

Approved By : _____
Approved Date : _____

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Sample Code : Cluster bomb (Lot No. C-FW-DR-07-07F22-A)

Sample Type : Dried flower

| Sample | | |
|--------------|--------|--------|
| Weighing (g) | A | B |
| Gross | - | - |
| Paper | - | - |
| Net | 0.1038 | 0.1014 |

| Sample A | Area | | Average | RT | |
|----------|-------------|-------------|-------------|--------|--------|
| | Inj. 1 | Inj. 2 | | Inj. 1 | Inj. 2 |
| CBDA | 5442.895 | 5455.369 | 5449.132 | 3.404 | 3.401 |
| CBGA | 20617.592 | 20570.581 | 20594.087 | 3.694 | 3.691 |
| CBG | 3962.554 | 3967.715 | 3965.135 | 3.896 | 3.892 |
| CBD | - | - | - | - | - |
| CBN | - | - | - | - | - |
| D9-THC | 74833.589 | 74527.807 | 74680.698 | 6.520 | 6.518 |
| THCA | 1133231.713 | 1128636.149 | 1130933.931 | 7.565 | 7.564 |

| Sample B | Area | | Average | RT | |
|----------|-------------|-------------|-------------|--------|--------|
| | Inj. 1 | Inj. 2 | | Inj. 1 | Inj. 2 |
| CBDA | 5274.715 | 5218.057 | 5246.386 | 3.400 | 3.403 |
| CBGA | 18289.829 | 18254.911 | 18272.370 | 3.689 | 3.692 |
| CBG | 3538.879 | 3533.490 | 3536.185 | 3.890 | 3.894 |
| CBD | - | - | - | - | - |
| CBN | - | - | - | - | - |
| D9-THC | 72697.324 | 72786.218 | 72741.771 | 6.517 | 6.522 |
| THCA | 1029401.731 | 1029617.098 | 1029509.415 | 7.562 | 7.567 |

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Sample Code : Cluster bomb (Lot No. C-FW-DR-07-07F22-A)

Calculation concentration

Lot No. of calibration curve : 02-040722


- CBDA : Y = 14247X - 5663.1
- CBGA : Y = 14503X - 5582.9
- CBG : Y = 11855X - 3803.7
- CBD : Y = 11884X - 4306.7
- CBN : Y = 19850X - 8752.2
- Δ^9 -THC-D3 : Y = 11844X - 3612.4
- THCA : Y = 12595X - 5836.6

| Concentration ($\mu\text{g/mL}$) | A | B |
|------------------------------------|-------|-------|
| CBDA | 0.78 | 0.77 |
| CBGA | 1.80 | 1.64 |
| CBG | 0.66 | 0.62 |
| CBD | - | - |
| CBN | - | - |
| Δ^9 -THC | 6.61 | 6.45 |
| THCA | 90.26 | 82.20 |

Calculation the amount of each cannabinoid

$$\text{Cannabinoid in sample (\%w/w)} = \frac{\text{Concentration } (\mu\text{g/mL}) \times \text{Volume (mL)} \times \text{Dilution factor}}{\text{Mass (g)} \times 10000}$$

- Total CBD = (%CBDA x 0.877) + %CBD
- Total THC = (%THCA x 0.877) + % Δ^9 -THC
- Total CBG = (%CBGA x 0.877) + %CBG
- Total CBN = %CBN

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Sample Code : Cluster bomb (Lot No. C-FW-DR-07-07F22-A)

Calculation the amount of each cannabinoid

Volume : 10 mL

Dilution factor : 20

| Amount cannabinoid | A (%w/w) | B (%w/w) | Average | Total CBD (%w/w) | Total THC (%w/w) | %RPD |
|--------------------|----------|----------|---------|------------------|------------------|------|
| CBDA | 0.15 | 0.15 | 0.15 | 0.13 | 16.01 | 0.5 |
| CBD | - | - | - | | | - |
| Δ^9 -THC | 1.27 | 1.27 | 1.27 | | | 0.2 |
| THCA | 17.39 | 16.21 | 16.80 | | | 7.0 |

| Amount cannabinoid | A (%w/w) | B (%w/w) | Average | Total CBG (%w/w) | Total CBN (%w/w) | %RPD |
|--------------------|----------|----------|---------|------------------|------------------|------|
| CBGA | 0.35 | 0.32 | 0.34 | 0.42 | - | 6.9 |
| CBG | 0.13 | 0.12 | 0.12 | | | 3.3 |
| CBN | - | - | - | | | - |

RPD (Not more than 10.0%)