

CERTIFICATE OF ANALYSIS

SAMPLE NAME: SUPER GLUE (FLOWER)

SAMPLE CODE: CAN-231020-027

CLIENT: GRASSHOPPER FARMS | AU-G-C-000362

BATCH RESULT: PASS



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License #: AU-SC-000112



TEST PACKAGE:

1A405030001AF43000012314

MATRIX NAME:

Flower

SAMPLE TYPE:

Compliance

RECEIVED DATE:

Friday, Oct 20, 2023

PUBLISHED DATE:

Tuesday, Oct 24, 2023

SOURCE PACKAGE:

1A405030001AF43000012127

BATCH CODE:

N/A

BATCH SIZE:

22700g

SAMPLE SIZE:

113.79g



LAB-TM-001

Potency Analysis by
HPLC-DAD



LAB-TM-005

Heavy Metals Analysis
by ICP-MS



LAB-TM-006

Aspergillus Analysis by
qPCR



LAB-TM-026

Enumeration of Total
Coliforms



LAB-TM-003

Chemical Residue
Analysis by GC-
MS/MS



LAB-TM-002

Chemical Residue
Analysis by LC-MS/MS



LAB-TM-009

Water Activity Analysis



LAB-TM-007

Foreign Matter and Filth
Analysis



LAB-TM-015

Enumeration of Total
Yeast and Mold



LAB-TM-006

Salmonella and Shiga
Toxin Producing E. coli
Analysis by qPCR

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Tuesday, Oct 24, 2023

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Tuesday, Oct 24, 2023

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LAB-TM-001 - DETERMINATION OF POTENCY BY HPLC-DAD
 POT-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|--------------------|----------|--------------|---------------|---------------|--------|
| Total Cannabinoids | 29.64 % | N/A | | | N/A |
| THCA | 28.34 % | N/A | 0.4497 ug/g | 4.9472 ug/g | N/A |
| Total THC | 25.24 % | N/A | | | N/A |
| CBGA | 0.6924 % | N/A | 0.4596 ug/g | 4.8149 ug/g | N/A |
| Delta-9 THC | 0.3861 % | N/A | 0.4945 ug/g | 1.516 ug/g | N/A |
| CBG | 0.1572 % | N/A | 0.2073 ug/g | 0.8539 ug/g | N/A |
| CBDA | 0.0653 % | N/A | 0.0886 ug/g | 0.2949 ug/g | N/A |
| Total CBD | 0.0573 % | N/A | | | N/A |
| CBC | ND | N/A | 0.4372 ug/g | 4.843 ug/g | N/A |
| CBD | ND | N/A | 0.6432 ug/g | 5.401 ug/g | N/A |
| CBDV | ND | N/A | 0.0919 ug/g | 0.4418 ug/g | N/A |
| CBN | ND | N/A | 0.3561 ug/g | 4.3163 ug/g | N/A |
| Delta-8 THC | ND | N/A | 0.4043 ug/g | 4.5669 ug/g | N/A |
| Delta-8 THCV | ND | N/A | 0.050425 ug/g | 0.339339 ug/g | N/A |
| Delta-9 THCV | ND | N/A | 0.269941 ug/g | 0.403267 ug/g | N/A |
| Total THCV | ND | N/A | | | N/A |

LAB-TM-005 - DETERMINATION OF HEAVY METALS BY ICP-MS
 MET-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|----------|------------|--------------|--------------|--------------|--------|
| Arsenic | ND | 0.4 ug/g | 0.1985 ug/kg | 0.6616 ug/kg | PASS |
| Cadmium | 0.078 ug/g | 0.4 ug/g | 0.0817 ug/kg | 0.2724 ug/kg | PASS |
| Chromium | 0.032 ug/g | 1.2 ug/g | 0.6272 ug/kg | 2.0907 ug/kg | PASS |
| Copper | 9.32 ug/g | N/A | 0.1546 ug/kg | 0.5152 ug/kg | N/A |
| Lead | 0.037 ug/g | 1 ug/g | 0.0845 ug/kg | 0.2817 ug/kg | PASS |
| Mercury | 0.004 ug/g | 0.2 ug/g | 0.0171 ug/kg | 0.0571 ug/kg | PASS |
| Nickel | 0.445 ug/g | 1 ug/g | 0.3213 ug/kg | 1.0709 ug/kg | PASS |

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR
 ASP-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------------|-------|--------------|-----|-----|--------|
| Aspergillus Flavus | ND | Detection | | | PASS |
| Aspergillus Fumigatus | ND | Detection | | | PASS |
| Aspergillus Niger | ND | Detection | | | PASS |
| Aspergillus Spp | ND | Detection | | | PASS |
| Aspergillus Terreus | ND | Detection | | | PASS |



LAB-TM-026 - ENUMERATION OF TOTAL COLIFORMS ON 3M CC PLATES
COL-CAN-231020-027-01 - FRIDAY, OCT 20, 2023

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|-----------------|------------|--------------|-----|-----|--------|
| Total Coliforms | 20.0 CFU/g | 1000 CFU/g | | | PASS |

LAB-TM-003 - DETERMINATION OF CHEMICAL RESIDUE BY GC-MS/MS
PGC-CAN-231020-027-01 - FRIDAY, OCT 20, 2023

| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|------------------|-------|--------------|-------------|--------------|--------|
| Chlorfenapyr | ND | 1 ug/g | 6.110 ug/kg | 20.400 ug/kg | N/A |
| Methyl Parathion | ND | 0.2 ug/g | 3.120 ug/kg | 10.500 ug/kg | N/A |



LAB-TM-002 - DETERMINATION OF CHEMICAL RESIDUE BY LC-MS/MS
 PLC-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|--|-------|--------------|--------------|--------------|--------|
| Abamectin | ND | 0.5 ug/g | 0.0736 ug/kg | 0.7999 ug/kg | PASS |
| Acephate | ND | 0.4 ug/g | 0.0262 ug/kg | 0.22 ug/kg | PASS |
| Acequinocyl | ND | 2 ug/g | 0.0236 ug/kg | 0.2484 ug/kg | PASS |
| Acetamiprid | ND | 0.2 ug/g | 0.0199 ug/kg | 0.1836 ug/kg | PASS |
| Aldicarb | ND | 0.4 ug/g | 0.0316 ug/kg | 0.2633 ug/kg | PASS |
| Azoxystrobin | ND | 0.2 ug/g | 0.0141 ug/kg | 0.1166 ug/kg | PASS |
| Bifenazate | ND | 0.2 ug/g | 0.0136 ug/kg | 0.1513 ug/kg | PASS |
| Bifenthrin | ND | 0.2 ug/g | 0.0272 ug/kg | 0.2691 ug/kg | PASS |
| Boscalid | ND | 0.4 ug/g | 0.0157 ug/kg | 0.1589 ug/kg | PASS |
| Carbaryl | ND | 0.2 ug/g | 0.0287 ug/kg | 0.2836 ug/kg | PASS |
| Carbofuran | ND | 0.2 ug/g | 0.0282 ug/kg | 0.2676 ug/kg | PASS |
| Chlorantraniliprole | ND | 0.2 ug/g | 0.017 ug/kg | 0.1643 ug/kg | PASS |
| Chlorpyrifos | ND | 0.2 ug/g | 0.0289 ug/kg | 0.3114 ug/kg | PASS |
| Clofentezine | ND | 0.2 ug/g | 0.0396 ug/kg | 0.3123 ug/kg | PASS |
| Cyfluthrin | ND | 1 ug/g | 0.0622 ug/kg | 0.8882 ug/kg | PASS |
| Cypermethrin | ND | 1 ug/g | 0.0399 ug/kg | 0.283 ug/kg | PASS |
| Daminozide | ND | 1 ug/g | 0.0299 ug/kg | 0.2517 ug/kg | PASS |
| Diazinon | ND | 0.2 ug/g | 0.0325 ug/kg | 0.1872 ug/kg | PASS |
| Dichlorvos | ND | 1 ug/g | 0.0299 ug/kg | 0.2656 ug/kg | PASS |
| Dimethoate | ND | 0.2 ug/g | 0.0272 ug/kg | 0.2606 ug/kg | PASS |
| Ethoprophos | ND | 0.2 ug/g | 0.0365 ug/kg | 0.3453 ug/kg | PASS |
| Etofenprox | ND | 0.4 ug/g | 0.0212 ug/kg | 0.1912 ug/kg | PASS |
| Etoxazole | ND | 0.2 ug/g | 0.0197 ug/kg | 0.1929 ug/kg | PASS |
| Fenoxycarb | ND | 0.2 ug/g | 0.0239 ug/kg | 0.2312 ug/kg | PASS |
| Fenpyroximate | ND | 0.4 ug/g | 0.0218 ug/kg | 0.1682 ug/kg | PASS |
| Fipronil | ND | 0.4 ug/g | 0.0128 ug/kg | 0.0588 ug/kg | PASS |
| Flonicamid | ND | 1 ug/g | 0.0195 ug/kg | 0.232 ug/kg | PASS |
| Fludioxonil | ND | 0.4 ug/g | 0.0247 ug/kg | 0.2581 ug/kg | PASS |
| Hexythiazox | ND | 1 ug/g | 0.0196 ug/kg | 0.2382 ug/kg | PASS |
| Imazalil | ND | 0.2 ug/g | 0.0352 ug/kg | 0.2793 ug/kg | PASS |
| Imidacloprid | ND | 0.4 ug/g | 0.0179 ug/kg | 0.1708 ug/kg | PASS |
| Kresoxim Methyl | ND | 0.4 ug/g | 0.0178 ug/kg | 0.1415 ug/kg | PASS |
| Malathion | ND | 0.2 ug/g | 0.0324 ug/kg | 0.3928 ug/kg | PASS |
| Metalaxyl | ND | 0.2 ug/g | 0.0203 ug/kg | 0.1924 ug/kg | PASS |
| Methiocarb | ND | 0.2 ug/g | 0.0254 ug/kg | 0.2521 ug/kg | PASS |
| Methomyl | ND | 0.4 ug/g | 0.0347 ug/kg | 0.2663 ug/kg | PASS |
| MGK-264 | ND | 0.2 ug/g | 0.0315 ug/kg | 0.302 ug/kg | PASS |
| Myclobutanil | ND | 0.2 ug/g | 0.0269 ug/kg | 0.3158 ug/kg | PASS |
| Naled | ND | 0.5 ug/g | 0.0537 ug/kg | 0.4003 ug/kg | PASS |
| Oxamyl | ND | 1 ug/g | 0.0261 ug/kg | 0.2468 ug/kg | PASS |
| Paclobutrazol | ND | 0.4 ug/g | 0.0308 ug/kg | 0.3071 ug/kg | PASS |
| Permethrins (Sum of Cis- and Trans-Permethrin) | ND | 0.2 ug/g | 0.0174 ug/kg | 0.1639 ug/kg | PASS |



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|--|-------|--------------|--------------|--------------|--------|
| Phosmet | ND | 0.2 ug/g | 0.0265 ug/kg | 0.2492 ug/kg | PASS |
| Prallethrin | ND | 0.2 ug/g | 0.0587 ug/kg | 0.2245 ug/kg | PASS |
| Propiconazole | ND | 0.4 ug/g | 0.025 ug/kg | 0.1633 ug/kg | PASS |
| Propoxur | ND | 0.2 ug/g | 0.0395 ug/kg | 0.3395 ug/kg | PASS |
| Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1) | ND | 1 ug/g | | | PASS |
| Pyrethrins Cinerin 1 | ND | N/A | | | N/A |
| Pyrethrins Jasmolin 1 | ND | N/A | | | N/A |
| Pyrethrins Pyrethrin 1 | ND | N/A | | | N/A |
| Pyridaben | ND | 0.2 ug/g | 0.0308 ug/kg | 0.2403 ug/kg | PASS |
| Spinosad | ND | 0.2 ug/g | 0.0197 ug/kg | 0.1788 ug/kg | PASS |
| Spinosad A | ND | 0.2 ug/g | 0.0175 ug/kg | 0.1501 ug/kg | PASS |
| Spinosad D | ND | 0.2 ug/g | 0.0052 ug/kg | 0.0364 ug/kg | PASS |
| Spiromesifen | ND | 0.2 ug/g | 0.0232 ug/kg | 0.2569 ug/kg | PASS |
| Spirotetramat | ND | 0.2 ug/g | 0.024 ug/kg | 0.2254 ug/kg | PASS |
| Spiroxamine | ND | 0.4 ug/g | 0.031 ug/kg | 0.2233 ug/kg | PASS |
| Tebuconazole | ND | 0.4 ug/g | 0.0382 ug/kg | 0.3345 ug/kg | PASS |
| Thiacloprid | ND | 0.2 ug/g | 0.0258 ug/kg | 0.2469 ug/kg | PASS |
| Thiamethoxam | ND | 0.2 ug/g | 0.0153 ug/kg | 0.1458 ug/kg | PASS |
| Trifloxystrobin | ND | 0.2 ug/g | 0.0188 ug/kg | 0.2121 ug/kg | PASS |



LAB-TM-009 - DETERMINATION OF WATER ACTIVITY

AWA-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|----------------|---------|--------------|-----|-----|--------|
| Water Activity | 0.46 aw | 0.65 Awa | | | PASS |

LAB-TM-007 - FOREIGN MATTER AND FILTH ANALYSIS

FOR-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|----------------------|-------|--------------|-----|-----|--------|
| Inorganic Matter | 0 % | Detection | | | PASS |
| Organic Matter | 0 % | 2 % | | | PASS |
| Stems | 1 % | 5 % | | | PASS |
| Total Foreign Matter | 1 % | N/A | | | N/A |

LAB-TM-015 - ENUMERATION OF TOTAL YEAST AND MOLD ON 3M RYM PLATES

TYM-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|----------------------|-------------|--------------|-----|-----|--------|
| Total Yeast and Mold | 34000 CFU/g | 100000 CFU/g | | | PASS |

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR

SS-CAN-231020-027-01 - FRIDAY, OCT 20, 2023



| ANALYTE | VALUE | ACTION LIMIT | LOD | LOQ | STATUS |
|-------------------------------|-------|--------------|-----|-----|--------|
| Salmonella Spp | ND | Detection | | | PASS |
| Shiga Toxin Producing E. coli | ND | Detection | | | PASS |

