

## CERTIFICATE OF ANALYSIS

PRODUCED: OCT 14, 2024

SAMPLE: GMO S1 (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: L0183GMOS1100724BULK  
METRC UID: 1A406030003DC49000163648  
MATRIX: FLOWER  
CATEGORY: INHALABLE  
SAMPLE ID: BCL-241008-109  
COLLECTED ON: OCT 08, 2024  
RECEIVED ON: OCT 08, 2024  
BATCH/SAMPLE SIZE: 20430 G / 72 G

### CANNABINOID OVERVIEW

|                       |            |
|-----------------------|------------|
| TOTAL THC:            | 26.90449 % |
| TOTAL CBD:            | 0.12481 %  |
| TOTAL CANNABINOIDS††: | 28.39986 % |
| SUM OF CANNABINOIDS†: | 32.34108 % |

### CULTIVATOR INFO

#### CULTIVATOR

GLASS HOUSE CAMARILLO  
CULTIVATION LLC  
645 LAGUNA RD  
CAMARILLO, CA 93012

#### LICENSE

CCL21-0005102  
ADULT-USE - CULTIVATOR LICENSE

### DISTRIBUTOR INFO

#### DISTRIBUTOR

ALKHEMIST DM LLC  
2211 DAMON STREET  
LOS ANGELES, CA 90021

#### LICENSE

C11-0001456-LIC  
ADULT-USE - DISTRIBUTOR LICENSE



POTENCY



TERP



PEST  
PASS



MOIST



MICRO  
PASS



MYCO  
PASS



METALS  
PASS



WATER  
PASS



FOREIGN  
PASS

### BCL-28: DETERMINATION OF CANNABINOIDS CONCENTRATION BY HPLC FOR DRIED FLOWER INCLUDING NON-INFUSED PRE-ROLLS // OCT 10, 2024

| ANALYTE             | AMT        | AMT           | LOD/LOQ (mg/g)  | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------|
| CBC                 | ND         | ND            | 0.0044/0.09995  | N/A       |
| CBCA                | 0.21244 %  | 2.1244 mg/g   | 0.01259/0.09995 | N/A       |
| CBD                 | ND         | ND            | 0.0062/0.09995  | N/A       |
| CBDA                | 0.14231 %  | 1.4231 mg/g   | 0.0032/0.09995  | N/A       |
| CBDV                | ND         | ND            | 0.0048/0.09995  | N/A       |
| CBDVA               | ND         | ND            | 0.0032/0.09995  | N/A       |
| CBG                 | 0.05098 %  | 0.5098 mg/g   | 0.0058/0.09995  | N/A       |
| CBGA                | 1.06771 %  | 10.6771 mg/g  | 0.004/0.09995   | N/A       |
| CBN                 | ND         | ND            | 0.0032/0.09995  | N/A       |
| Δ <sup>8</sup> -THC | ND         | ND            | 0.01159/0.09995 | N/A       |
| Δ <sup>9</sup> -THC | 0.24766 %  | 2.4766 mg/g   | 0.0084/0.09995  | N/A       |
| THCA                | 30.39547 % | 303.9547 mg/g | 0.11994/1.999   | N/A       |
| THCV                | ND         | ND            | 0.0066/0.09995  | N/A       |
| THCVA               | 0.22451 %  | 2.2451 mg/g   | 0.0046/0.09995  | N/A       |
| TOT THC**           | 26.90449 % | 269.0449 mg/g |                 | N/A       |
| TOT CBD**           | 0.12481 %  | 1.2481 mg/g   |                 | N/A       |

DRY-WEIGHT AMOUNTS SHOWN

\*\* TOTAL THC = DELTA-8-THC + (DELTA-8-THCA X 0.877) + DELTA-9-THC + (THCA X 0.877)

\*\* TOTAL CBD = CBD + (CBDA X 0.877)

† SUM OF CANNABINOIDS = CBC + CBCA + CBD + CBDA + CBDV + CBDVA + CBG + CBGA + CBN + DELTA-8-THC + THCA + THCV + THCVA

†† TOTAL CANNABINOIDS = (CBC + CBD + CBDV + CBG + CBN + DELTA-8-THC + DELTA-9-THC + THCV) + (0.877 \* (CBCA + CBDA + CBDVA + CBGA + THCA + THCVA))

### BCL-09: TERPENOID TESTING BY HS-GC/FID // OCT 10, 2024

| ANALYTE                | AMT       | AMT          | LOD/LOQ (mg/g)  | PASS/FAIL |
|------------------------|-----------|--------------|-----------------|-----------|
| TOTAL TERPENES         | 1.50588 % | 15.0588 mg/g |                 | N/A       |
| β-CARYOPHYLLENE        | 0.46324 % | 4.6324 mg/g  | 0.00187/0.13664 | N/A       |
| D-LIMONENE             | 0.40625 % | 4.0625 mg/g  | 0.00024/0.13664 | N/A       |
| β-MYRCENE              | 0.27747 % | 2.7747 mg/g  | 0.00037/0.13664 | N/A       |
| α-HUMULENE             | 0.21286 % | 2.1286 mg/g  | 0.00046/0.13664 | N/A       |
| β-PINENE               | 0.04974 % | 0.4974 mg/g  | 0.00221/0.13664 | N/A       |
| LINALOOL               | 0.03695 % | 0.3695 mg/g  | 0.00036/0.13664 | N/A       |
| α-BISABOLOL            | 0.03039 % | 0.3039 mg/g  | 0.00426/0.13664 | N/A       |
| α-PINENE               | 0.02898 % | 0.2898 mg/g  | 0.00021/0.13664 | N/A       |
| CAMPHERE               | < LOQ     | < LOQ        | 0.00021/0.13664 | N/A       |
| TERPINOLENE            | < LOQ     | < LOQ        | 0.00029/0.13664 | N/A       |
| α-TERPINENE            | ND        | ND           | 0.00029/0.13664 | N/A       |
| CIS-β-OCIMENE          | ND        | ND           | 0.00132/0.04236 | N/A       |
| Δ <sup>3</sup> -CARENE | ND        | ND           | 0.00045/0.13664 | N/A       |
| EUCALYPTOL             | ND        | ND           | 0.00046/0.13664 | N/A       |
| γ-TERPINENE            | ND        | ND           | 0.00046/0.13664 | N/A       |
| GERANIOL               | ND        | ND           | 0.00028/0.13664 | N/A       |
| GUAIOL                 | ND        | ND           | 0.00267/0.13664 | N/A       |
| ISOPULEGOL             | ND        | ND           | 0.00053/0.13664 | N/A       |
| P-CYME                 | ND        | ND           | 0.00027/0.13664 | N/A       |
| TRANS-β-OCIMENE        | ND        | ND           | 0.00049/0.09428 | N/A       |

LABORATORY PERFORMED SAMPLING AS PER BCL-01 AT 2211 DAMON STREET, LOS ANGELES, CA 90021. THE RESULTS RELATE ONLY TO THE ITEMS TESTED. ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA. ALL DECISION RULES ARE ESTABLISHED BY THE DCC.

RESULTS CERTIFIED BY: DZOANA KLISARA, B.SC.  
LABORATORY DIRECTOR, BELCOSTA LABS  
OCT 14, 2024

Dzoana Klisara



## BCL-13: PESTICIDE TESTING BY GC/MS // OCT 10, 2024

| ANALYTE         | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|-----------------|----------|------------|-----------------|-----------|
| CAPTAN          | 0.7 µg/g | ND         | 0.03132/0.09486 | PASS      |
| CHLORDANE       | Any amt  | ND         |                 | PASS      |
| CHLORDANE CIS   |          | ND         | 0.01108/0.03358 | N/A       |
| CHLORDANE TRANS |          | ND         | 0.0106/0.03204  | N/A       |
| CHLORFENAPYR    | Any amt  | ND         | 0.02388/0.07229 | PASS      |

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // OCT 14, 2024

| ANALYTE              | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|----------------------|----------|------------|-----------------|-----------|
| ABAMECTIN            | 0.1 µg/g | ND         | 0.01972/0.0696  | PASS      |
| ACEPHATE             | 0.1 µg/g | ND         | 0.00862/0.0606  | PASS      |
| ACEQUINOCYL          | 0.1 µg/g | ND         | 0.00784/0.06    | PASS      |
| ACETAMIPRID          | 0.1 µg/g | ND         | 0.00491/0.06042 | PASS      |
| ALDICARB             | Any amt  | ND         | 0.01231/0.06042 | PASS      |
| AZOXYSTROBIN         | 0.1 µg/g | ND         | 0.0059/0.06048  | PASS      |
| BIFENAZATE           | 0.1 µg/g | ND         | 0.00876/0.0603  | PASS      |
| BIFENTHRIN           | 3 µg/g   | ND         | 0.00958/0.06    | PASS      |
| BOSCALID             | 0.1 µg/g | ND         | 0.0171/0.0606   | PASS      |
| CARBARYL             | 0.5 µg/g | ND         | 0.0079/0.0603   | PASS      |
| CARBOFURAN           | Any amt  | ND         | 0.00227/0.06036 | PASS      |
| CHLORANTRANIL-IPROLE | 10 µg/g  | ND         | 0.011/0.06054   | PASS      |
| CLOFENTEZINE         | 0.1 µg/g | ND         | 0.00507/0.0603  | PASS      |
| COUMAPHOS            | Any amt  | ND         | 0.0193/0.0684   | PASS      |
| CYFLUTHRIN           | 2 µg/g   | ND         | 0.23945/0.8484  | PASS      |
| CYPERMETHRIN         | 1 µg/g   | ND         | 0.07946/0.6     | PASS      |
| DAMINOZIDE           | Any amt  | ND         | 0.00625/0.0606  | PASS      |
| DIAZINON             | 0.1 µg/g | ND         | 0.00536/0.0606  | PASS      |
| DIMETHOATE           | Any amt  | ND         | 0.00621/0.0606  | PASS      |
| DIMETHOMORPH         | 2 µg/g   | ND         |                 | PASS      |
| DIMETHOMORPH I       |          | ND         | 0.00422/0.02545 | N/A       |
| DIMETHOMORPH II      |          | ND         | 0.00229/0.03515 | N/A       |
| ETHOPROPHOS          | Any amt  | ND         | 0.0085/0.0606   | PASS      |
| ETOFENPROX           | Any amt  | ND         | 0.00539/0.06054 | PASS      |
| ETOXAZOLE            | 0.1 µg/g | ND         | 0.00416/0.06036 | PASS      |
| FENHEXAMID           | 0.1 µg/g | ND         | 0.01569/0.0606  | PASS      |
| FENOXYCARB           | Any amt  | ND         | 0.00565/0.06048 | PASS      |
| FENPYROXIMATE        | 0.1 µg/g | ND         | 0.00671/0.06048 | PASS      |
| FIPRONIL             | Any amt  | ND         | 0.00911/0.0603  | PASS      |
| FLONICAMID           | 0.1 µg/g | ND         | 0.00275/0.0606  | PASS      |
| FLUDIOXONIL          | 0.1 µg/g | ND         | 0.02537/0.09    | PASS      |
| HEXYTHIAZOX          | 0.1 µg/g | ND         | 0.00585/0.0606  | PASS      |
| IMAZALIL             | Any amt  | ND         | 0.00862/0.06036 | PASS      |
| IMIDACLOPRID         | 5 µg/g   | ND         | 0.00851/0.06036 | PASS      |
| KRESOXIM-METHYL      | 0.1 µg/g | ND         | 0.00871/0.06036 | PASS      |

| ANALYTE                  | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|--------------------------|----------|------------|-----------------|-----------|
| CHLORPYRIFOS             | Any amt  | ND         | 0.01114/0.03382 | PASS      |
| DICHLORVOS               | Any amt  | ND         | 0.01173/0.03555 | PASS      |
| METHYL PARATHION         | Any amt  | ND         | 0.01346/0.04079 | PASS      |
| PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND         | 0.01399/0.04246 | PASS      |
| METHOMYL                 | 1 µg/g   | ND         | 0.00504/0.06042 | PASS      |
| MEVINPHOS                | Any amt  | ND         |                 | PASS      |
| MEVINPHOS I              |          | ND         | 0.002/0.01877   | N/A       |
| MEVINPHOS II             |          | ND         | 0.00532/0.04177 | N/A       |
| MYCLOBUTANIL             | 0.1 µg/g | ND         | 0.00604/0.0603  | PASS      |
| NALED                    | 0.1 µg/g | ND         | 0.00848/0.05994 | PASS      |
| OXAMYL                   | 0.5 µg/g | ND         | 0.0052/0.06036  | PASS      |
| PACLOBUTRAZOL            | Any amt  | ND         | 0.00849/0.06036 | PASS      |
| PERMETHRIN               | 0.5 µg/g | ND         |                 | PASS      |
| PERMETHRIN CIS           |          | ND         | 0.0288/0.1021   | N/A       |
| PERMETHRIN TRANS         |          | ND         | 0.04398/0.15589 | N/A       |
| PHOSMET                  | 0.1 µg/g | ND         | 0.00607/0.06042 | PASS      |
| PIPERONYLBUTO-XIDE       | 3 µg/g   | ND         | 0.00394/0.06012 | PASS      |
| PRALLETHRIN              | 0.1 µg/g | ND         | 0.00818/0.06    | PASS      |
| PROPICONAZOLE            | 0.1 µg/g | ND         | 0.00485/0.0603  | PASS      |
| PROPOXUR                 | Any amt  | ND         | 0.0072/0.06042  | PASS      |
| PYRETHRINS               | 0.5 µg/g | ND         |                 | PASS      |
| PYRETHRINS CINERIN I     |          | ND         | 0.00693/0.02457 | N/A       |
| PYRETHRINS CINERIN II    |          | ND         | 0.00424/0.01502 | N/A       |
| PYRETHRINS JASMOLIN I    |          | ND         | 0.0017/0.01812  | N/A       |
| PYRETHRINS JASMOLIN II   |          | ND         | 0.00496/0.01812 | N/A       |
| PYRETHRINS PYRETHRIN I   |          | ND         | 0.02641/0.09362 | N/A       |
| PYRETHRINS PYRETHRIN II  |          | ND         | 0.018/0.0638    | N/A       |
| PYRIDABEN                | 0.1 µg/g | ND         | 0.00906/0.0606  | PASS      |
| SPINETORAM               | 0.1 µg/g | ND         |                 | PASS      |
| SPINETORAM J             |          | ND         | 0.00681/0.0156  | N/A       |
| SPINETORAM L             |          | ND         | 0.00345/0.0444  | N/A       |
| SPINOSAD                 | 0.1 µg/g | ND         |                 | PASS      |
| SPINOSAD A               |          | ND         | 0.00558/0.04601 | N/A       |
| SPINOSAD D               |          | ND         | 0.00123/0.01453 | N/A       |
| SPIROMESIFEN             | 0.1 µg/g | ND         | 0.01985/0.0708  | PASS      |
| SPIROTETRAMAT            | 0.1 µg/g | ND         | 0.00482/0.06054 | PASS      |
| SPIROXAMINE              | Any amt  | ND         | 0.00338/0.06018 | PASS      |
| TEBUCONAZOLE             | 0.1 µg/g | ND         | 0.00726/0.0603  | PASS      |
| THIACLOPRID              | Any amt  | ND         | 0.00497/0.0603  | PASS      |



# REGULATORY COMPLIANCE TESTING

|            |          |    |                 |      |
|------------|----------|----|-----------------|------|
| MALATHION  | 0.5 µg/g | ND | 0.00764/0.0606  | PASS |
| METALAXYL  | 2 µg/g   | ND | 0.00379/0.06054 | PASS |
| METHIOCARB | Any amt  | ND | 0.01182/0.06042 | PASS |

|                  |          |    |                 |      |
|------------------|----------|----|-----------------|------|
| THIAMETHOXAM     | 5 µg/g   | ND | 0.00349/0.06036 | PASS |
| TRIFLOXYSTROB-IN | 0.1 µg/g | ND | 0.00529/0.0603  | PASS |

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // OCT 10, 2024

| ANALYTE                       | LIMIT             | AMT (CFU) | PASS/FAIL |
|-------------------------------|-------------------|-----------|-----------|
| ASPERGILLUS FLAVUS            | Any amt in 1 gram | ND        | PASS      |
| ASPERGILLUS FUMIGATUS         | Any amt in 1 gram | ND        | PASS      |
| ASPERGILLUS NIGER             | Any amt in 1 gram | ND        | PASS      |
| ASPERGILLUS TERREUS           | Any amt in 1 gram | ND        | PASS      |
| SALMONELLA SPP.               | Any amt in 1 gram | ND        | PASS      |
| SHIGA TOXIN-PRODUCING E. COLI | Any amt in 1 gram | ND        | PASS      |

## BCL-020: HEAVY METAL TESTING BY ICP-MS // OCT 09, 2024

| ANALYTE | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|---------|----------|------------|----------------|-----------|
| ARSENIC | 0.2 µg/g | < LOQ      | 0.001/0.05     | PASS      |
| CADMIUM | 0.2 µg/g | < LOQ      | 0.0002/0.05    | PASS      |
| LEAD    | 0.5 µg/g | < LOQ      | 0.0003/0.05    | PASS      |
| MERCURY | 0.1 µg/g | < LOQ      | 0.0001/0.01    | PASS      |

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // OCT 09, 2024

| ANALYTE  | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE |       | 10.00   | N/A       |

## BCL-05: MYCOTOXIN TESTING BY LC-MS/MS // OCT 14, 2024

| ANALYTE      | LIMIT    | AMT (µg/kg) | LOD/LOQ (µg/kg) | PASS/FAIL |
|--------------|----------|-------------|-----------------|-----------|
| AFLATOXIN B1 |          | ND          | 1.19/4.22       | N/A       |
| AFLATOXIN B2 |          | ND          | 1.45/5.12       | N/A       |
| AFLATOXIN G1 |          | ND          | 1.58/5.6        | N/A       |
| AFLATOXIN G2 |          | ND          | 0.63/3          | N/A       |
| AFLATOXINS   | 20 µg/kg | ND          |                 | PASS      |
| OCHRATOXIN A | 20 µg/kg | ND          | 0.63/6          | PASS      |

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // OCT 09, 2024

| ANALYTE                                  | LIMIT  | AMT (%) | PASS/FAIL |
|------------------------------------------|--------|---------|-----------|
| IMBEDDED FOREIGN MATERIAL                | 25 %   | ND      | PASS      |
| INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT | 1 Unit | ND      | PASS      |
| MOLD                                     | 25 %   | ND      | PASS      |
| SAND, SOIL, CINDERS, DIRT                | 25 %   | ND      | PASS      |

## BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // OCT 10, 2024

| ANALYTE        | LIMIT   | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.58     | PASS      |

## ACCREDITATIONS



### A2LA ACCREDITED

BCL-02: MOISTURE CONTENT BY GRAVIMETRY  
 BCL-020: HEAVY METAL TESTING BY ICP-MS  
 BCL-05: MYCOTOXIN TESTING BY LC-MS/MS  
 BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI  
 BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY  
 BCL-09: TERPENOID TESTING BY HS-GC/FID  
 BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM  
 BCL-13: PESTICIDE TESTING BY GC/MS

