

## CERTIFICATE OF ANALYSIS

PRODUCED: SEP 19, 2024

SAMPLE: MAC 1 (FLOWER) // CLIENT: GLASS HOUSE BRANDS // BATCH: PASS



**BATCH NO.:** M0849MAC091224BULK  
**METRC UID:** 1A40603000041B6000007261  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-240912-102  
**COLLECTED ON:** SEP 12, 2024  
**RECEIVED ON:** SEP 12, 2024  
**BATCH/SAMPLE SIZE:** 22680 G / 80 G

### CANNABINOID OVERVIEW

|                                    |            |
|------------------------------------|------------|
| TOTAL THC:                         | 20.59061 % |
| TOTAL CBD:                         | 0.12914 %  |
| TOTAL CANNABINOIDS <sup>††</sup> : | 21.76636 % |
| SUM OF CANNABINOIDS <sup>†</sup> : | 24.70314 % |

### MANUFACTURER INFO

**MANUFACTURER**  
 CA MANUFACTURING SOLUTIONS LLC  
 1637 W CENTRAL AVE  
 LOMPOC, CA 93436

**LICENSE**  
 CDPH-10002412  
 ADULT-USE - MANUFACTURING  
 LICENSE

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
 CA MANUFACTURING SOLUTIONS, LLC  
 1637 W CENTRAL AVE  
 LOMPOC, CA 93436

**LICENSE**  
 C11-0000031-LIC  
 ADULT-USE AND MEDICINAL -  
 DISTRIBUTOR LICENSE



### BCL-28: DETERMINATION OF CANNABINOIDS CONCENTRATION BY HPLC FOR DRIED FLOWER INCLUDING NON-INFUSED PRE-ROLLS // SEP 16, 2024

| ANALYTE               | AMT        | AMT           | LOD/LOQ (mg/g)  | PASS/FAIL |
|-----------------------|------------|---------------|-----------------|-----------|
| CBC                   | 0.05047 %  | 0.5047 mg/g   | 0.0044/0.09995  | N/A       |
| CBCA                  | 0.30004 %  | 3.0004 mg/g   | 0.01259/0.09995 | N/A       |
| CBD                   | ND         | ND            | 0.0062/0.09995  | N/A       |
| CBDA                  | 0.14725 %  | 1.4725 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                   | 0.03936 %  | 0.3936 mg/g   | 0.0058/0.09995  | N/A       |
| CBGA                  | 0.58560 %  | 5.8560 mg/g   | 0.004/0.09995   | N/A       |
| CBN                   | 0.01175 %  | 0.1175 mg/g   | 0.0032/0.09995  | N/A       |
| Δ <sup>8</sup> -THC   | ND         | ND            | 0.01159/0.09995 | N/A       |
| Δ <sup>9</sup> -THC   | 0.70599 %  | 7.0599 mg/g   | 0.0084/0.09995  | N/A       |
| THCA                  | 22.67346 % | 226.7346 mg/g | 0.11994/1.999   | N/A       |
| THCV                  | 0.01933 %  | 0.1933 mg/g   | 0.0066/0.09995  | N/A       |
| THCVA                 | 0.16989 %  | 1.6989 mg/g   | 0.0046/0.09995  | N/A       |
| TOT THC <sup>**</sup> | 20.59061 % | 205.9061 mg/g |                 | N/A       |
| TOT CBD <sup>**</sup> | 0.12914 %  | 1.2914 mg/g   |                 | N/A       |

DRY-WEIGHT AMOUNTS SHOWN

<sup>\*\*</sup> TOTAL THC = DELTA-8-THC + (DELTA-8-THCA X 0.877) + DELTA-9-THC + (THCA X 0.877)

<sup>\*\*</sup> TOTAL CBD = CBD + (CBDA X 0.877)

<sup>†</sup> SUM OF CANNABINOIDS = CBC + CBCA + CBD + CBDA + CBDV + CBDVA + CBG + CBGA + CBN + DELTA-8-THC + DELTA-9-THC + THCA + THCV + THCVA

<sup>††</sup> 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 // SEP 16, 2024

| ANALYTE                | AMT       | AMT          | LOD/LOQ (mg/g)  | PASS/FAIL |
|------------------------|-----------|--------------|-----------------|-----------|
| TOTAL TERPENES         | 1.44139 % | 14.4139 mg/g |                 | N/A       |
| D-LIMONENE             | 0.47932 % | 4.7932 mg/g  | 0.00022/0.12453 | N/A       |
| β-CARYOPHYLLENE        | 0.30344 % | 3.0344 mg/g  | 0.00171/0.12453 | N/A       |
| α-PINENE               | 0.12316 % | 1.2316 mg/g  | 0.00019/0.12453 | N/A       |
| LINALOOL               | 0.11708 % | 1.1708 mg/g  | 0.00033/0.12453 | N/A       |
| β-MYRCENE              | 0.11403 % | 1.1403 mg/g  | 0.00034/0.12453 | N/A       |
| β-PINENE               | 0.10031 % | 1.0031 mg/g  | 0.00202/0.12453 | N/A       |
| α-HUMULENE             | 0.10018 % | 1.0018 mg/g  | 0.00042/0.12453 | N/A       |
| α-BISABOLOL            | 0.07331 % | 0.7331 mg/g  | 0.00388/0.12453 | N/A       |
| TRANS-β-OCIMENE        | 0.01544 % | 0.1544 mg/g  | 0.00045/0.08593 | N/A       |
| CAMPHERE               | 0.01512 % | 0.1512 mg/g  | 0.00019/0.12453 | N/A       |
| TERPINOLENE            | < LOQ     | < LOQ        | 0.00026/0.12453 | N/A       |
| α-TERPINENE            | ND        | ND           | 0.00027/0.12453 | N/A       |
| CIS-β-OCIMENE          | ND        | ND           | 0.0012/0.03861  | N/A       |
| Δ <sup>3</sup> -CARENE | ND        | ND           | 0.00041/0.12453 | N/A       |
| EUCALYPTOL             | ND        | ND           | 0.00042/0.12453 | N/A       |
| γ-TERPINENE            | ND        | ND           | 0.00042/0.12453 | N/A       |
| GERANIOL               | ND        | ND           | 0.00026/0.12453 | N/A       |
| GUAIOL                 | ND        | ND           | 0.00243/0.12453 | N/A       |
| ISOPULEGOL             | ND        | ND           | 0.00049/0.12453 | N/A       |
| P-CYMENE               | ND        | ND           | 0.00024/0.12453 | N/A       |



LABORATORY PERFORMED SAMPLING AS PER BCL-01 AT 1637 W CENTRAL AVE, LOMPOC, CA 93436. 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  
 SEP 19, 2024

*Dzoana Klisara*

## BCL-13: PESTICIDE TESTING BY GC/MS // SEP 18, 2024

| ANALYTE         | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|-----------------|----------|------------|-----------------|-----------|
| CAPTAN          | 0.7 µg/g | ND         | 0.03147/0.09531 | PASS      |
| CHLORDANE       | Any amt  | ND         |                 | PASS      |
| CHLORDANE CIS   |          | ND         | 0.01113/0.03375 | N/A       |
| CHLORDANE TRANS |          | ND         | 0.01065/0.03219 | N/A       |
| CHLORFENAPYR    | Any amt  | ND         | 0.02399/0.07264 | PASS      |

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // SEP 19, 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         | 0.01119/0.03398 | PASS      |
| DICHLORVOS               | Any amt  | ND         | 0.01179/0.03572 | PASS      |
| METHYL PARATHION         | Any amt  | ND         | 0.01352/0.04099 | PASS      |
| PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND         | 0.01406/0.04266 | 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 // SEP 15, 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 // SEP 13, 2024

| ANALYTE | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|---------|----------|------------|----------------|-----------|
| ARSENIC | 0.2 µg/g | ND         | 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 // SEP 14, 2024

| ANALYTE  | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE |       | 6.60    | N/A       |

## BCL-05: MYCOTOXIN TESTING BY LC-MS/MS // SEP 19, 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 // SEP 13, 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 // SEP 14, 2024

| ANALYTE        | LIMIT   | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.54     | 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

