

## CERTIFICATE OF ANALYSIS

PRODUCED: FEB 19, 2022

SAMPLE: SUNSET HEAT (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



**BATCH NO.:** GHFPPL1010216  
**METRC UID:** 1A406030000A423000004814  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220216-124  
**COLLECTED ON:** FEB 16, 2022  
**RECEIVED ON:** FEB 16, 2022  
**BATCH/SAMPLE SIZE:** 4540 G / 16 G

### CANNABINOID OVERVIEW

|                             |                   |
|-----------------------------|-------------------|
| <b>TOTAL THC:</b>           | <b>28.28436 %</b> |
| <b>TOTAL CBD:</b>           | <b>0.07724 %</b>  |
| <b>SUM OF CANNABINOIDS:</b> | <b>34.49311 %</b> |

### CULTIVATOR INFO

**CULTIVATOR**  
 MISSION HEALTH ASSOCIATES, INC  
 5601 CASITAS PASS RD  
 CARPINTERIA, CA 93013

**LICENSE**  
 CCL18-0003034  
 ADULT-USE - CULTIVATOR LICENSE

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
 ALKHEMIST DM LLC  
 1370 ESPERANZA ST, SUITE B  
 LOS ANGELES, CA 90023

**LICENSE**  
 C11-0000751-LIC  
 ADULT-USE AND MEDICINAL -  
 DISTRIBUTOR LICENSE



### BCL-03: CANNABINOID POTENCY BY HPLC-UV // FEB 18, 2022

| ANALYTE             | AMT        | AMT           | LOD/LOQ (mg/g)  | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------|
| CBC                 | 0.04870 %  | 0.4870 mg/g   | 0.0107/0.24324  | N/A       |
| CBCA                | 0.26657 %  | 2.6657 mg/g   | 0.03065/0.24324 | N/A       |
| CBD                 | ND         | ND            | 0.01508/0.24324 | N/A       |
| CBDA                | 0.08807 %  | 0.8807 mg/g   | 0.00778/0.24324 | N/A       |
| CBDV                | ND         | ND            | 0.01168/0.24324 | N/A       |
| CBDVA               | ND         | ND            | 0.00778/0.24324 | N/A       |
| CBG                 | 0.21831 %  | 2.1831 mg/g   | 0.01411/0.24324 | N/A       |
| CBGA                | 1.71474 %  | 17.1474 mg/g  | 0.00973/0.24324 | N/A       |
| CBN                 | ND         | ND            | 0.00778/0.24324 | N/A       |
| Δ <sup>8</sup> -THC | ND         | ND            | 0.02822/0.24324 | N/A       |
| Δ <sup>9</sup> -THC | 2.07252 %  | 20.7252 mg/g  | 0.02043/0.24324 | N/A       |
| THCA                | 29.88807 % | 298.8807 mg/g | 0.01459/0.24324 | N/A       |
| THCV                | ND         | ND            | 0.01605/0.24324 | N/A       |
| THCVA               | 0.19613 %  | 1.9613 mg/g   | 0.01119/0.24324 | N/A       |
| TOT THC **          | 28.28436 % | 282.8436 mg/g |                 | N/A       |
| TOT CBD **          | 0.07724 %  | 0.7724 mg/g   |                 | N/A       |

\*\* TOTAL CBD = (CBDA X 0.877) + CBD  
 \*\* TOTAL THC = (THCA X 0.877) + THC  
 DRY-WEIGHT AMOUNTS SHOWN

### BCL-09: TERPENOID TESTING BY HS-GC/FID // FEB 18, 2022

| ANALYTE                | AMT       | AMT          | LOD/LOQ (mg/g)  | PASS/FAIL |
|------------------------|-----------|--------------|-----------------|-----------|
| TOTAL TERPENES         | 1.90000 % | 19.0000 mg/g |                 | N/A       |
| β-CARYOPHYLLENE        | 0.85243 % | 8.5243 mg/g  | 0.00189/0.13801 | N/A       |
| α-HUMULENE             | 0.28374 % | 2.8374 mg/g  | 0.00046/0.13801 | N/A       |
| LINALOOL               | 0.21734 % | 2.1734 mg/g  | 0.00037/0.13801 | N/A       |
| β-MYRCENE              | 0.17786 % | 1.7786 mg/g  | 0.00038/0.13801 | N/A       |
| D-LIMONENE             | 0.23120 % | 2.3120 mg/g  | 0.00025/0.13801 | N/A       |
| GUAIOL                 | 0.08615 % | 0.8615 mg/g  | 0.0027/0.13801  | N/A       |
| β-PINENE               | 0.03172 % | 0.3172 mg/g  | 0.00223/0.13801 | N/A       |
| α-PINENE               | 0.01956 % | 0.1956 mg/g  | 0.00021/0.13801 | N/A       |
| TERPINOLENE            | < LOQ     | < LOQ        | 0.00029/0.13801 | N/A       |
| CAMPHENE               | < LOQ     | < LOQ        | 0.00021/0.13801 | N/A       |
| β-OCIMENE              | ND        | ND           | 0.00049/0.09523 | N/A       |
| Δ <sup>3</sup> -CARENE | ND        | ND           | 0.00045/0.13801 | N/A       |
| EUCALYPTOL             | ND        | ND           | 0.00046/0.13801 | N/A       |
| γ-TERPINENE            | ND        | ND           | 0.00047/0.13801 | N/A       |
| GERANIOL               | ND        | ND           | 0.00029/0.13801 | N/A       |
| α-TERPINENE            | ND        | ND           | 0.0003/0.13801  | N/A       |
| ISOPULEGOL             | ND        | ND           | 0.00054/0.13801 | N/A       |
| α-OCIMENE              | ND        | ND           | 0.00133/0.04278 | N/A       |
| P-CYME                 | ND        | ND           | 0.00027/0.13801 | N/A       |
| α-BISABOLOL            | ND        | ND           | 0.0043/0.13801  | N/A       |

**RESULTS CERTIFIED BY:** CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 FEB 19, 2022

SAMPLE WAS TESTED AS RECEIVED. 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.



## BCL-13: PESTICIDE TESTING BY GC/MS // FEB 18, 2022

| ANALYTE         | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|-----------------|----------|------------|----------------|-----------|
| CAPTAN          | 0.7 µg/g | ND         | 0.01977/0.06   | PASS      |
| CHLORDANE       | Any amt  | ND         |                | PASS      |
| CHLORDANE CIS   |          | ND         | 0.01199/0.03   | N/A       |
| CHLORDANE TRANS |          | ND         | 0.01082/0.03   | N/A       |
| CHLORFENAPYR    | Any amt  | ND         | 0.01364/0.06   | PASS      |

| ANALYTE                  | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------------|----------|------------|----------------|-----------|
| CHLORPYRIFOS             | Any amt  | ND         | 0.01653/0.06   | PASS      |
| DICHLORVOS               | Any amt  | ND         | 0.01165/0.06   | PASS      |
| METHYL PARATHION         | Any amt  | ND         | 0.00851/0.06   | PASS      |
| PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND         | 0.01282/0.06   | PASS      |

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // FEB 18, 2022

| ANALYTE              | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|----------------------|----------|------------|----------------|-----------|
| ABAMECTIN            | 0.1 µg/g | ND         | 0.01153/0.04   | PASS      |
| ACEPHATE             | 0.1 µg/g | ND         | 0.00368/0.02   | PASS      |
| ACEQUINOCYL          | 0.1 µg/g | ND         | 0.00417/0.02   | PASS      |
| ACETAMIPRID          | 0.1 µg/g | ND         | 0.00464/0.02   | PASS      |
| ALDICARB             | Any amt  | ND         | 0.01109/0.04   | PASS      |
| AZOXYSTROBIN         | 0.1 µg/g | ND         | 0.00639/0.02   | PASS      |
| BIFENAZATE           | 0.1 µg/g | ND         | 0.00355/0.02   | PASS      |
| BIFENTHRIN           | 3 µg/g   | ND         | 0.00473/0.04   | PASS      |
| BOSCALID             | 0.1 µg/g | ND         | 0.00494/0.02   | PASS      |
| CARBARYL             | 0.5 µg/g | ND         | 0.00295/0.02   | PASS      |
| CARBOFURAN           | Any amt  | ND         | 0.00613/0.02   | PASS      |
| CHLORANTRANIL-IPROLE | 10 µg/g  | ND         | 0.00697/0.04   | PASS      |
| CLOFENTEZINE         | 0.1 µg/g | ND         | 0.0054/0.02    | PASS      |
| COUMAPHOS            | Any amt  | ND         | 0.00215/0.02   | PASS      |
| CYFLUTHRIN           | 2 µg/g   | ND         | 0.05508/0.2    | PASS      |
| CYPERMETHRIN         | 1 µg/g   | ND         | 0.00556/0.04   | PASS      |
| DAMINOZIDE           | Any amt  | ND         | 0.00227/0.04   | PASS      |
| DIAZINON             | 0.1 µg/g | ND         | 0.00487/0.02   | PASS      |
| DIMETHOATE           | Any amt  | ND         | 0.00354/0.02   | PASS      |
| DIMETHOMORPH         | 2 µg/g   | ND         |                | PASS      |
| DIMETHOMORPH I       |          | ND         | 0.00109/0.0078 | N/A       |
| DIMETHOMORPH II      |          | ND         | 0.0015/0.0122  | N/A       |
| ETHOPROPHOS          | Any amt  | ND         | 0.0041/0.02    | PASS      |
| ETOFENPROX           | Any amt  | ND         | 0.00274/0.02   | PASS      |
| ETOXAZOLE            | 0.1 µg/g | ND         | 0.00385/0.02   | PASS      |
| FENHEXAMID           | 0.1 µg/g | ND         | 0.01055/0.02   | PASS      |
| FENOXYCARB           | Any amt  | ND         | 0.00175/0.02   | PASS      |
| FENPYROXIMATE        | 0.1 µg/g | ND         | 0.00481/0.02   | PASS      |
| FIPRONIL             | Any amt  | ND         | 0.00478/0.02   | PASS      |
| FLONICAMID           | 0.1 µg/g | ND         | 0.00398/0.02   | PASS      |
| FLUDIOXONIL          | 0.1 µg/g | ND         | 0.01369/0.04   | PASS      |
| HEXYTHIAZOX          | 0.1 µg/g | ND         | 0.00297/0.02   | PASS      |
| IMAZALIL             | Any amt  | ND         | 0.0056/0.02    | PASS      |
| IMIDACLOPRID         | 5 µg/g   | ND         | 0.00645/0.02   | PASS      |
| KRESOXIM-METHYL      | 0.1 µg/g | ND         | 0.00339/0.02   | PASS      |

| ANALYTE           | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|-------------------|----------|------------|-----------------|-----------|
| MALATHION         | 0.5 µg/g | ND         | 0.00472/0.02    | PASS      |
| METALAXYL         | 2 µg/g   | ND         | 0.00503/0.02    | PASS      |
| METHIOCARB        | Any amt  | ND         | 0.00503/0.02    | PASS      |
| METHOMYL          | 1 µg/g   | ND         | 0.00494/0.02    | PASS      |
| MEVINPHOS         | Any amt  | ND         |                 | PASS      |
| MEVINPHOS I       |          | ND         | 0.00163/0.0084  | N/A       |
| MEVINPHOS II      |          | ND         | 0.00542/0.0316  | N/A       |
| MYCLOBUTANIL      | 0.1 µg/g | ND         | 0.00867/0.04    | PASS      |
| NALED             | 0.1 µg/g | ND         | 0.00328/0.02    | PASS      |
| OXAMYL            | 0.5 µg/g | ND         | 0.00455/0.02    | PASS      |
| PACLOBUTRAZOL     | Any amt  | ND         | 0.00714/0.04    | PASS      |
| PERMETHRIN        | 0.5 µg/g | ND         |                 | PASS      |
| PERMETHRIN CIS    |          | ND         | 0.00237/0.0082  | N/A       |
| PERMETHRIN TRANS  |          | ND         | 0.00245/0.0118  | N/A       |
| PHOSMET           | 0.1 µg/g | ND         | 0.0043/0.02     | PASS      |
| PIPERONYLBUTOXIDE | 3 µg/g   | ND         | 0.00247/0.02    | PASS      |
| PRALLETHRIN       | 0.1 µg/g | ND         | 0.00392/0.02    | PASS      |
| PROPICONAZOLE     | 0.1 µg/g | ND         | 0.0024/0.02     | PASS      |
| PROPOXUR          | Any amt  | ND         | 0.00374/0.02    | PASS      |
| PYRETHRINS        | 0.5 µg/g | ND         | 0.00726/0.04    | PASS      |
| PYRIDABEN         | 0.1 µg/g | ND         | 0.0034/0.02     | PASS      |
| SPINETORAM        | 0.1 µg/g | ND         |                 | PASS      |
| SPINETORAM J      |          | ND         | 0.00329/0.016   | N/A       |
| SPINETORAM L      |          | ND         | 0.00157/0.016   | N/A       |
| SPINOSAD          | 0.1 µg/g | ND         |                 | PASS      |
| SPINOSAD A        |          | ND         | 0.00205/0.01438 | N/A       |
| SPINOSAD D        |          | ND         | 0.00104/0.00498 | N/A       |
| SPIROMESIFEN      | 0.1 µg/g | ND         | 0.00944/0.04    | PASS      |
| SPIROTETRAMAT     | 0.1 µg/g | ND         | 0.00208/0.02    | PASS      |
| SPIROXAMINE       | Any amt  | ND         | 0.00344/0.02    | PASS      |
| TEBUCONAZOLE      | 0.1 µg/g | ND         | 0.00816/0.04    | PASS      |
| THIACLOPRID       | Any amt  | ND         | 0.0039/0.02     | PASS      |
| THIAMETHOXAM      | 5 µg/g   | ND         | 0.00358/0.02    | PASS      |
| TRIFLOXYSTROBIN   | 0.1 µg/g | ND         | 0.00421/0.02    | PASS      |



## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // FEB 16, 2022

| 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-020: HEAVY METAL TESTING BY ICP-MS // FEB 17, 2022

| 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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // FEB 18, 2022

| ANALYTE        | LIMIT   | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.47     | PASS      |

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // FEB 18, 2022

| 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      |
| ESCHERICHIA COLI      | Any amt in 1 gram | ND        | PASS      |
| SALMONELLA SPP.       | Any amt in 1 gram | ND        | PASS      |

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // FEB 18, 2022

| ANALYTE      | LIMIT    | AMT (µg/kg) | LOD/LOQ (µg/kg) | PASS/FAIL |
|--------------|----------|-------------|-----------------|-----------|
| AFLATOXIN B1 |          | ND          | 0.23/4          | N/A       |
| AFLATOXIN B2 |          | ND          | 0.181/4         | N/A       |
| AFLATOXIN G1 |          | ND          | 0.155/4         | N/A       |
| AFLATOXIN G2 |          | ND          | 0.934/4         | N/A       |
| AFLATOXINS   | 20 µg/kg | ND          |                 | PASS      |
| OCHRATOXIN A | 20 µg/kg | ND          | 0.385/4         | PASS      |

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // FEB 18, 2022

| ANALYTE  | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE |       | 11.40   | N/A       |

