

## CERTIFICATE OF ANALYSIS

PRODUCED: JAN 13, 2022

SAMPLE: GARLIC STARSHIP (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



**BATCH NO.:** GHFGS0110  
**METRC UID:** 1A406030000A423000004487  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220110-069  
**COLLECTED ON:** JAN 10, 2022  
**RECEIVED ON:** JAN 10, 2022  
**BATCH/SAMPLE SIZE:** 22700 G / 80 G

### CANNABINOID OVERVIEW

|                            |                   |
|----------------------------|-------------------|
| <b>TOTAL THC:</b>          | <b>33.15178 %</b> |
| <b>TOTAL CBD:</b>          | <b>0.08473 %</b>  |
| <b>TOTAL CANNABINOIDS:</b> | <b>39.89224 %</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 // JAN 12, 2022

| ANALYTE             | AMT        | AMT           | LOD/LOQ (mg/g)  | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------|
| CBC                 | < LOQ      | < LOQ         | 0.01024/0.23269 | N/A       |
| CBCA                | 0.43417 %  | 4.3417 mg/g   | 0.02932/0.23269 | N/A       |
| CBD                 | ND         | ND            | 0.01443/0.23269 | N/A       |
| CBDA                | 0.09661 %  | 0.9661 mg/g   | 0.00745/0.23269 | N/A       |
| CBDV                | ND         | ND            | 0.01117/0.23269 | N/A       |
| CBDVA               | ND         | ND            | 0.00745/0.23269 | N/A       |
| CBG                 | 0.11661 %  | 1.1661 mg/g   | 0.0135/0.23269  | N/A       |
| CBGA                | 1.27582 %  | 12.7582 mg/g  | 0.00931/0.23269 | N/A       |
| CBN                 | ND         | ND            | 0.00745/0.23269 | N/A       |
| Δ <sup>8</sup> -THC | 0.15019 %  | 1.5019 mg/g   | 0.02699/0.23269 | N/A       |
| Δ <sup>9</sup> -THC | 1.03166 %  | 10.3166 mg/g  | 0.01955/0.23269 | N/A       |
| THCA                | 36.62499 % | 366.2499 mg/g | 0.01396/0.23269 | N/A       |
| THCV                | ND         | ND            | 0.01536/0.23269 | N/A       |
| THCVA               | 0.16219 %  | 1.6219 mg/g   | 0.0107/0.23269  | N/A       |
| TOT THC **          | 33.15178 % | 331.5178 mg/g |                 | N/A       |
| TOT CBD **          | 0.08473 %  | 0.8473 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 // JAN 12, 2022

| ANALYTE                | AMT       | AMT          | LOD/LOQ (mg/g)  | PASS/FAIL |
|------------------------|-----------|--------------|-----------------|-----------|
| TOTAL TERPENES         | 2.66955 % | 26.6955 mg/g |                 | N/A       |
| β-CARYOPHYLLENE        | 0.88403 % | 8.8403 mg/g  | 0.00191/0.13894 | N/A       |
| D-LIMONENE             | 0.77909 % | 7.7909 mg/g  | 0.00025/0.13894 | N/A       |
| β-MYRCENE              | 0.34836 % | 3.4836 mg/g  | 0.00038/0.13894 | N/A       |
| α-HUMULENE             | 0.35030 % | 3.5030 mg/g  | 0.00047/0.13894 | N/A       |
| β-PINENE               | 0.09617 % | 0.9617 mg/g  | 0.00225/0.13894 | N/A       |
| LINALOOL               | 0.07272 % | 0.7272 mg/g  | 0.00037/0.13894 | N/A       |
| α-BISABOLOL            | 0.06499 % | 0.6499 mg/g  | 0.00433/0.13894 | N/A       |
| α-PINENE               | 0.05664 % | 0.5664 mg/g  | 0.00021/0.13894 | N/A       |
| CAMPHERE               | 0.01725 % | 0.1725 mg/g  | 0.00022/0.13894 | N/A       |
| TERPINOLENE            | < LOQ     | < LOQ        | 0.00029/0.13894 | N/A       |
| β-OCIMENE              | ND        | ND           | 0.0005/0.09587  | N/A       |
| α-TERPINENE            | ND        | ND           | 0.0003/0.13894  | N/A       |
| Δ <sup>3</sup> -CARENE | ND        | ND           | 0.00046/0.13894 | N/A       |
| EUCALYPTOL             | ND        | ND           | 0.00047/0.13894 | N/A       |
| γ-TERPINENE            | ND        | ND           | 0.00047/0.13894 | N/A       |
| GERANIOL               | ND        | ND           | 0.00029/0.13894 | N/A       |
| GUAIOL                 | ND        | ND           | 0.00271/0.13894 | N/A       |
| ISOPULEGOL             | ND        | ND           | 0.00054/0.13894 | N/A       |
| α-OCIMENE              | ND        | ND           | 0.00134/0.04307 | N/A       |
| P-CYMENE               | ND        | ND           | 0.00027/0.13894 | N/A       |

**RESULTS CERTIFIED BY:** CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 JAN 13, 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.



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JAN 12, 2022

| ANALYTE              | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL | ANALYTE           | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g)  | PASS/FAIL |
|----------------------|----------|------------|----------------|-----------|-------------------|----------|------------|-----------------|-----------|
| ABAMECTIN            | 0.1 µg/g | ND         | 0.01153/0.04   | PASS      | MALATHION         | 0.5 µg/g | ND         | 0.00472/0.02    | PASS      |
| ACEPHATE             | 0.1 µg/g | ND         | 0.00368/0.02   | PASS      | METALAXYL         | 2 µg/g   | < LOQ      | 0.00503/0.02    | PASS      |
| ACEQUINOCYL          | 0.1 µg/g | ND         | 0.00417/0.02   | PASS      | METHIOCARB        | Any amt  | ND         | 0.00503/0.02    | PASS      |
| ACETAMIPRID          | 0.1 µg/g | ND         | 0.00464/0.02   | PASS      | METHOMYL          | 1 µg/g   | ND         | 0.00494/0.02    | PASS      |
| ALDICARB             | Any amt  | ND         | 0.01109/0.04   | PASS      | MEVINPHOS         | Any amt  | ND         |                 | PASS      |
| AZOXYSTROBIN         | 0.1 µg/g | ND         | 0.00639/0.02   | PASS      | MEVINPHOS I       |          | ND         | 0.00163/0.0084  | N/A       |
| BIFENAZATE           | 0.1 µg/g | ND         | 0.00355/0.02   | PASS      | MEVINPHOS II      |          | ND         | 0.00542/0.0316  | N/A       |
| BIFENTHRIN           | 3 µg/g   | ND         | 0.00473/0.04   | PASS      | MYCLOBUTANIL      | 0.1 µg/g | ND         | 0.00867/0.04    | PASS      |
| BOSCALID             | 0.1 µg/g | ND         | 0.00494/0.02   | PASS      | NALED             | 0.1 µg/g | ND         | 0.00328/0.02    | PASS      |
| CARBARYL             | 0.5 µg/g | ND         | 0.00295/0.02   | PASS      | OXAMYL            | 0.5 µg/g | ND         | 0.00455/0.02    | PASS      |
| CARBOFURAN           | Any amt  | ND         | 0.00613/0.02   | PASS      | PACLOBUTRAZOL     | Any amt  | ND         | 0.00714/0.04    | PASS      |
| CHLORANTRANIL-IPROLE | 10 µg/g  | ND         | 0.00697/0.04   | PASS      | PERMETHRIN        | 0.5 µg/g | ND         |                 | PASS      |
| CLOFENTEZINE         | 0.1 µg/g | ND         | 0.0054/0.02    | PASS      | PERMETHRIN CIS    |          | ND         | 0.00237/0.0082  | N/A       |
| COUMAPHOS            | Any amt  | ND         | 0.00215/0.02   | PASS      | PERMETHRIN TRANS  |          | ND         | 0.00245/0.0118  | N/A       |
| CYFLUTHRIN           | 2 µg/g   | ND         | 0.05508/0.2    | PASS      | PHOSMET           | 0.1 µg/g | ND         | 0.0043/0.02     | PASS      |
| CYPERMETHRIN         | 1 µg/g   | ND         | 0.00556/0.04   | PASS      | PIPERONYLBUTOXIDE | 3 µg/g   | ND         | 0.00247/0.02    | PASS      |
| DAMINOZIDE           | Any amt  | ND         | 0.00227/0.04   | PASS      | PRALLETHRIN       | 0.1 µg/g | ND         | 0.00392/0.02    | PASS      |
| DIAZINON             | 0.1 µg/g | ND         | 0.00487/0.02   | PASS      | PROPICONAZOLE     | 0.1 µg/g | ND         | 0.0024/0.02     | PASS      |
| DIMETHOATE           | Any amt  | ND         | 0.00354/0.02   | PASS      | PROPOXUR          | Any amt  | ND         | 0.00374/0.02    | PASS      |
| DIMETHOMORPH         | 2 µg/g   | ND         |                | PASS      | PYRETHRINS        | 0.5 µg/g | ND         | 0.00726/0.04    | PASS      |
| DIMETHOMORPH I       |          | ND         | 0.00109/0.0078 | N/A       | PYRIDABEN         | 0.1 µg/g | ND         | 0.0034/0.02     | PASS      |
| DIMETHOMORPH II      |          | ND         | 0.0015/0.0122  | N/A       | SPINETORAM        | 0.1 µg/g | ND         |                 | PASS      |
| ETHOPROPHOS          | Any amt  | ND         | 0.0041/0.02    | PASS      | SPINETORAM J      |          | ND         | 0.00329/0.016   | N/A       |
| ETOFENPROX           | Any amt  | ND         | 0.00274/0.02   | PASS      | SPINETORAM L      |          | ND         | 0.00157/0.016   | N/A       |
| ETOXAZOLE            | 0.1 µg/g | ND         | 0.00385/0.02   | PASS      | SPINOSAD          | 0.1 µg/g | ND         |                 | PASS      |
| FENHEXAMID           | 0.1 µg/g | ND         | 0.01055/0.02   | PASS      | SPINOSAD A        |          | ND         | 0.00205/0.01438 | N/A       |
| FENOXYCARB           | Any amt  | ND         | 0.00175/0.02   | PASS      | SPINOSAD D        |          | ND         | 0.00104/0.00498 | N/A       |
| FENPYROXIMATE        | 0.1 µg/g | ND         | 0.00481/0.02   | PASS      | SPIROMESIFEN      | 0.1 µg/g | ND         | 0.00944/0.04    | PASS      |
| FIPRONIL             | Any amt  | ND         | 0.00478/0.02   | PASS      | SPIROTETRAMAT     | 0.1 µg/g | ND         | 0.00208/0.02    | PASS      |
| FLONICAMID           | 0.1 µg/g | ND         | 0.00398/0.02   | PASS      | SPIROXAMINE       | Any amt  | ND         | 0.00344/0.02    | PASS      |
| FLUDIOXONIL          | 0.1 µg/g | ND         | 0.01369/0.04   | PASS      | TEBUCONAZOLE      | 0.1 µg/g | ND         | 0.00816/0.04    | PASS      |
| HEXYTHIAZOX          | 0.1 µg/g | ND         | 0.00297/0.02   | PASS      | THIACLOPRID       | Any amt  | ND         | 0.0039/0.02     | PASS      |
| IMAZALIL             | Any amt  | ND         | 0.0056/0.02    | PASS      | THIAMETHOXAM      | 5 µg/g   | ND         | 0.00358/0.02    | PASS      |
| IMIDACLOPRID         | 5 µg/g   | ND         | 0.00645/0.02   | PASS      | TRIFLOXYSTROBIN   | 0.1 µg/g | ND         | 0.00421/0.02    | PASS      |
| KRESOXIM-METHYL      | 0.1 µg/g | ND         | 0.00339/0.02   | PASS      |                   |          |            |                 |           |

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

| ANALYTE         | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL | ANALYTE                  | LIMIT    | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|-----------------|----------|------------|----------------|-----------|--------------------------|----------|------------|----------------|-----------|
| CAPTAN          | 0.7 µg/g | ND         | 0.01977/0.06   | PASS      | CHLORPYRIFOS             | Any amt  | ND         | 0.01653/0.06   | PASS      |
| CHLORDANE       | Any amt  | ND         |                | PASS      | DICHLORVOS               | Any amt  | ND         | 0.01165/0.06   | PASS      |
| CHLORDANE CIS   |          | ND         | 0.01199/0.03   | N/A       | METHYL PARATHION         | Any amt  | ND         | 0.00851/0.06   | PASS      |
| CHLORDANE TRANS |          | ND         | 0.01082/0.03   | N/A       | PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND         | 0.01282/0.06   | PASS      |
| CHLORFENAPYR    | Any amt  | ND         | 0.01364/0.06   | PASS      |                          |          |            |                |           |



## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JAN 11, 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 // JAN 11, 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 // JAN 12, 2022

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

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // JAN 12, 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 // JAN 12, 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 // JAN 12, 2022

| ANALYTE  | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE |       | 12.00   | N/A       |

