

## CERTIFICATE OF ANALYSIS

PRODUCED: OCT 10, 2021

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



**BATCH NO.:** GHFSTAR1007BB  
**METRC UID:** 1A406030000A423000003825  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-211007-113  
**COLLECTED ON:** OCT 07, 2021  
**RECEIVED ON:** OCT 07, 2021  
**BATCH/SAMPLE SIZE:** 22700 G / 80 G

### CANNABINOID OVERVIEW

|                            |                   |
|----------------------------|-------------------|
| <b>TOTAL THC:</b>          | <b>35.01868 %</b> |
| <b>TOTAL CBD:</b>          | <b>0.09038 %</b>  |
| <b>TOTAL CANNABINOIDS:</b> | <b>41.89896 %</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 // OCT 10, 2021

| ANALYTE             | AMT        | AMT           | LOD/LOQ (mg/g)  | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------|
| CBC                 | ND         | ND            | 0.01082/0.24597 | N/A       |
| CBCA                | 0.32086 %  | 3.2086 mg/g   | 0.03099/0.24597 | N/A       |
| CBD                 | ND         | ND            | 0.01525/0.24597 | N/A       |
| CBDA                | 0.10306 %  | 1.0306 mg/g   | 0.00787/0.24597 | N/A       |
| CBDV                | ND         | ND            | 0.01181/0.24597 | N/A       |
| CBDVA               | < LOQ      | < LOQ         | 0.00787/0.24597 | N/A       |
| CBG                 | 0.09591 %  | 0.9591 mg/g   | 0.01427/0.24597 | N/A       |
| CBGA                | 1.32180 %  | 13.2180 mg/g  | 0.00984/0.24597 | N/A       |
| CBN                 | ND         | ND            | 0.00787/0.24597 | N/A       |
| Δ <sup>8</sup> -THC | ND         | ND            | 0.02853/0.24597 | N/A       |
| Δ <sup>9</sup> -THC | 0.54231 %  | 5.4231 mg/g   | 0.02066/0.24597 | N/A       |
| THCA                | 39.31171 % | 393.1171 mg/g | 0.01476/0.24597 | N/A       |
| THCV                | ND         | ND            | 0.01623/0.24597 | N/A       |
| THCVA               | 0.20331 %  | 2.0331 mg/g   | 0.01131/0.24597 | N/A       |
| TOT THC **          | 35.01868 % | 350.1868 mg/g |                 | N/A       |
| TOT CBD **          | 0.09038 %  | 0.9038 mg/g   |                 | N/A       |

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

### BCL-09: TERPENOID TESTING BY HS-GC/FID // OCT 09, 2021

| ANALYTE                | AMT       | AMT          | LOD/LOQ (µg/g)    | PASS/FAIL |
|------------------------|-----------|--------------|-------------------|-----------|
| TOTAL TERPENES         | 2.23059 % | 22.3059 mg/g |                   | N/A       |
| β-CARYOPHYLLENE        | 0.67213 % | 6.7213 mg/g  | 1.8911/137.84955  | N/A       |
| D-LIMONENE             | 0.54014 % | 5.4014 mg/g  | 0.24686/137.84955 | N/A       |
| β-MYRCENE              | 0.49729 % | 4.9729 mg/g  | 0.3747/137.84955  | N/A       |
| α-HUMULENE             | 0.26933 % | 2.6933 mg/g  | 0.46225/137.84955 | N/A       |
| β-PINENE               | 0.06940 % | 0.6940 mg/g  | 2.23166/137.84955 | N/A       |
| α-BISABOLOL            | 0.06781 % | 0.6781 mg/g  | 4.29845/137.84955 | N/A       |
| LINALOOL               | 0.05924 % | 0.5924 mg/g  | 0.36537/137.84955 | N/A       |
| α-PINENE               | 0.04087 % | 0.4087 mg/g  | 0.21283/137.84955 | N/A       |
| CAMPHERE               | 0.01438 % | 0.1438 mg/g  | 0.21408/137.84955 | N/A       |
| TERPINOLENE            | < LOQ     | < LOQ        | 0.29154/137.84955 | N/A       |
| α-TERPINENE            | ND        | ND           | 0.2965/137.84955  | N/A       |
| β-OCIMENE              | ND        | ND           | 0.4935/95.11619   | N/A       |
| α-OCIMENE              | ND        | ND           | 1.3309/42.73336   | N/A       |
| Δ <sup>3</sup> -CARENE | ND        | ND           | 0.45432/137.84955 | N/A       |
| EUCALYPTOL             | ND        | ND           | 0.46155/137.84955 | N/A       |
| γ-TERPINENE            | ND        | ND           | 0.46528/137.84955 | N/A       |
| GERANIOL               | ND        | ND           | 0.28724/137.84955 | N/A       |
| GUAIOL                 | ND        | ND           | 2.693/137.84955   | N/A       |
| ISOPULEGOL             | ND        | ND           | 0.53767/137.84955 | N/A       |
| P-CYMENE               | ND        | ND           | 0.26864/137.84955 | N/A       |

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.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.  
 LABORATORY DIRECTOR, BELCOSTA LABS  
 OCT 10, 2021



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // OCT 10, 2021

| 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   | ND         | 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 // OCT 10, 2021

| 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       | PENTACHLORONITROBENZENE | 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 // OCT 08, 2021**

| 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 // OCT 08, 2021**

| 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 // OCT 08, 2021**

| ANALYTE        | LIMIT   | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.55     | PASS      |

**BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // OCT 10, 2021**

| 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 // OCT 10, 2021**

| 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 // OCT 08, 2021**

| ANALYTE  | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE |       | 12.70   | N/A       |

