

CERTIFICATE OF ANALYSIS

PRODUCED: MAY 07, 2022

SAMPLE: GRAPES & CREAM (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS
NON-INFUSED PRE-ROLL



BATCH NO.: GHFGCR0416PR
METRC UID: 1A406030003DC49000001208
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220503-008
COLLECTED ON: MAY 03, 2022
RECEIVED ON: MAY 03, 2022
BATCH/SAMPLE SIZE: 1272 UNITS / 13 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

| | |
|-----------------------------|-------------------|
| TOTAL THC: | 25.51649 % |
| TOTAL CBD: | 0.07554 % |
| SUM OF CANNABINOIDS: | 30.30744 % |

CULTIVATOR INFO

CULTIVATOR
MISSION HEALTH ASSOCIATES, INC.
DBA GLASS HOUSE FARMS
2211 DAMON STREET
LOS ANGELES, CA 9002

LICENSE
CCL18-0003034
ADULT-USE - CULTIVATOR LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
ALKHEMIST DM LLC
2211 DAMON STREET
LOS ANGELES, CA 9002

LICENSE
C11-0001456-LIC
ADULT-USE - DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // MAY 06, 2022

| ANALYTE | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|-------------------------|------------|---------------|-----------------|-----------|
| CBC | ND | ND | 0.01098/0.24945 | N/A |
| CBCA | 0.25285 % | 2.5285 mg/g | 0.03143/0.24945 | N/A |
| CBD | ND | ND | 0.01547/0.24945 | N/A |
| CBDA | 0.08613 % | 0.8613 mg/g | 0.00798/0.24945 | N/A |
| CBDV | ND | ND | 0.01197/0.24945 | N/A |
| CBDVA | ND | ND | 0.00798/0.24945 | N/A |
| CBG | 0.08037 % | 0.8037 mg/g | 0.01447/0.24945 | N/A |
| CBGA | 0.84496 % | 8.4496 mg/g | 0.00998/0.24945 | N/A |
| CBN | ND | ND | 0.00798/0.24945 | N/A |
| Δ ⁸ -THC | ND | ND | 0.02894/0.24945 | N/A |
| Δ ⁹ -THC | 0.79298 % | 7.9298 mg/g | 0.02095/0.24945 | N/A |
| THCA | 28.19100 % | 281.9100 mg/g | 0.01497/0.24945 | N/A |
| THCV | ND | ND | 0.01646/0.24945 | N/A |
| THCVA | 0.05915 % | 0.5915 mg/g | 0.01147/0.24945 | N/A |
| TOT THC** | 25.51649 % | 255.1649 mg/g | | N/A |
| TOT CBD** | 0.07554 % | 0.7554 mg/g | | N/A |
| CBD/PKG | ND | | | N/A |
| Δ ⁹ -THC/PKG | 7.93 mg | | | N/A |
| TOT CBD/PKG** | 0.76 mg | | | N/A |
| TOT THC/PKG** | 255.16 mg | | | N/A |

BCL-09: TERPENOID TESTING BY HS-GC/FID // MAY 05, 2022

| ANALYTE | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|------------------------|-----------|-------------|-----------------|-----------|
| TOTAL TERPENES | 0.57123 % | 5.7123 mg/g | | N/A |
| β-CARYOPHYLLENE | 0.27825 % | 2.7825 mg/g | 0.00189/0.13804 | N/A |
| D-LIMONENE | 0.13785 % | 1.3785 mg/g | 0.00025/0.13804 | N/A |
| α-HUMULENE | 0.09417 % | 0.9417 mg/g | 0.00046/0.13804 | N/A |
| β-PINENE | 0.02545 % | 0.2545 mg/g | 0.00223/0.13804 | N/A |
| LINALOOL | 0.02149 % | 0.2149 mg/g | 0.00037/0.13804 | N/A |
| α-PINENE | 0.01402 % | 0.1402 mg/g | 0.00021/0.13804 | N/A |
| CAMPHERE | < LOQ | < LOQ | 0.00021/0.13804 | N/A |
| TERPINOLENE | < LOQ | < LOQ | 0.00029/0.13804 | N/A |
| β-MYRCENE | < LOQ | < LOQ | 0.00038/0.13804 | N/A |
| β-OCIMENE | ND | ND | 0.00049/0.09525 | N/A |
| α-TERPINENE | ND | ND | 0.0003/0.13804 | N/A |
| Δ ³ -CARENE | ND | ND | 0.00045/0.13804 | N/A |
| EUCALYPTOL | ND | ND | 0.00046/0.13804 | N/A |
| γ-TERPINENE | ND | ND | 0.00047/0.13804 | N/A |
| GERANIOL | ND | ND | 0.00029/0.13804 | N/A |
| GUAIOL | ND | ND | 0.0027/0.13804 | N/A |
| ISOPULEGOL | ND | ND | 0.00054/0.13804 | N/A |
| α-OCIMENE | ND | ND | 0.00133/0.04279 | N/A |
| P-CYMELE | ND | ND | 0.00027/0.13804 | N/A |
| α-BISABOLOL | ND | ND | 0.0043/0.13804 | N/A |

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

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.
SCIENCE DIRECTOR, BELCOSTA LABS
MAY 07, 2022



BCL-13: PESTICIDE TESTING BY GC/MS // MAY 05, 2022

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|-----------------|----------|------------|-----------------|-----------|
| CAPTAN | 0.7 µg/g | ND | 0.03117/0.09441 | PASS |
| CHLORDANE | Any amt | ND | | PASS |
| CHLORDANE CIS | | ND | 0.01102/0.03343 | N/A |
| CHLORDANE TRANS | | ND | 0.01055/0.03188 | N/A |
| CHLORFENAPYR | Any amt | ND | 0.02377/0.07195 | PASS |

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------------|----------|------------|-----------------|-----------|
| CHLORPYRIFOS | Any amt | ND | 0.01108/0.03366 | PASS |
| DICHLORVOS | Any amt | ND | 0.01168/0.03538 | PASS |
| METHYL PARATHION | Any amt | ND | 0.01339/0.0406 | PASS |
| PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND | 0.01393/0.04226 | PASS |

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // MAY 05, 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 |
|-------------------------|----------|------------|-----------------|-----------|
| 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 |
| PIPERONYLBUTO-XIDE | 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 | | PASS |
| PYRETHRINS PYRETHRIN I | | ND | 0.00726/0.04 | N/A |
| PYRETHRINS PYRETHRIN II | | ND | 0.00754/0.02284 | N/A |
| 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 |
| TRIFLOXYSTROB-IN | 0.1 µg/g | ND | 0.00421/0.02 | PASS |



MALATHION 0.5 µg/g ND 0.00472/0.02 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // MAY 05, 2022

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------|-----------|------------|-------------------|-----------|
| 1,2-DICHLOROETHANE | 1 µg/g | ND | 0.16936/0.59078 | PASS |
| ACETONE | 5000 µg/g | ND | 19.06262/59.07838 | PASS |
| ACETONITRILE | 410 µg/g | ND | 16.91611/59.07838 | PASS |
| BENZENE | 1 µg/g | ND | 0.07483/0.59078 | PASS |
| BUTANE | 5000 µg/g | ND | 17.83773/59.07838 | PASS |
| CHLOROFORM | 1 µg/g | ND | 0.1733/0.59078 | PASS |
| ETHANOL | 5000 µg/g | ND | 14.62387/59.07838 | PASS |
| ETHYL ACETATE | 5000 µg/g | ND | 18.05829/59.07838 | PASS |
| ETHYLENE OXIDE | 1 µg/g | ND | 0.18905/0.59078 | PASS |
| ETHYL ETHER | 5000 µg/g | ND | 15.90784/59.07838 | PASS |
| HEPTANE | 5000 µg/g | ND | 13.91887/59.07838 | PASS |
| HEXANE | 290 µg/g | ND | 21.4297/98.46396 | PASS |
| ISOPROPYL ALCOHOL | 5000 µg/g | ND | 14.76959/59.07838 | PASS |
| METHANOL | 3000 µg/g | ND | 13.24537/59.07838 | PASS |
| METHYLENE CHLORIDE | 1 µg/g | ND | 0.14967/0.59078 | PASS |
| PENTANE | 5000 µg/g | ND | 32.57188/98.46396 | PASS |
| PROPANE | 5000 µg/g | ND | 16.82946/59.07838 | PASS |
| TOLUENE | 890 µg/g | ND | 9.29894/59.07838 | PASS |
| TRICHLOROETHYLENE | 1 µg/g | ND | 0.07877/0.59078 | PASS |
| O-XYLENE | | ND | 4.40331/29.53919 | N/A |
| P- AND M-XYLENE | | ND | 4.08035/29.53919 | N/A |
| TOTAL XYLENES | 2170 µg/g | ND | | PASS |

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // MAY 05, 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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // MAY 04, 2022

| ANALYTE | LIMIT | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.53 | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // MAY 03, 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-06: MICROBIOLOGICAL ANALYSIS BY QPCR // MAY 05, 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-020: HEAVY METAL TESTING BY ICP-MS // MAY 04, 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-02: MOISTURE CONTENT BY GRAVIMETRY // MAY 04, 2022

| ANALYTE | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE | | 9.00 | N/A |

