

CERTIFICATE OF ANALYSIS

PRODUCED: OCT 24, 2021

SAMPLE: GG4 (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFGG41018MP
METRC UID: 1A406030000A423000003875
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-211021-070
COLLECTED ON: OCT 21, 2021
RECEIVED ON: OCT 21, 2021
BATCH/SAMPLE SIZE: 1800 UNITS / 13 UNITS
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

| | |
|----------------------------|-------------------|
| TOTAL THC: | 27.22132 % |
| TOTAL CBD: | 0.06671 % |
| TOTAL CANNABINOIDS: | 31.80308 % |

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 23, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|-------------------------|------------|---------------|-----------------|-----------|
| CBC | 0.04444 % | 0.4444 mg/g | 0.0101/0.22953 | N/A |
| CBCA | 0.20663 % | 2.0663 mg/g | 0.02892/0.22953 | N/A |
| CBD | ND | ND | 0.01423/0.22953 | N/A |
| CBDA | 0.07607 % | 0.7607 mg/g | 0.00734/0.22953 | N/A |
| CBDV | ND | ND | 0.01102/0.22953 | N/A |
| CBDVA | ND | ND | 0.00734/0.22953 | N/A |
| CBG | 0.07241 % | 0.7241 mg/g | 0.01331/0.22953 | N/A |
| CBGA | 0.48305 % | 4.8305 mg/g | 0.00918/0.22953 | N/A |
| CBN | ND | ND | 0.00734/0.22953 | N/A |
| Δ ⁸ -THC | 0.05584 % | 0.5584 mg/g | 0.02663/0.22953 | N/A |
| Δ ⁹ -THC | 2.23169 % | 22.3169 mg/g | 0.01928/0.22953 | N/A |
| THCA | 28.49445 % | 284.9445 mg/g | 0.01377/0.22953 | N/A |
| THCV | ND | ND | 0.01515/0.22953 | N/A |
| THCVA | 0.13850 % | 1.3850 mg/g | 0.01056/0.22953 | N/A |
| TOT THC ** | 27.22132 % | 272.2132 mg/g | | N/A |
| TOT CBD ** | 0.06671 % | 0.6671 mg/g | | N/A |
| CBD/PKG | ND | | | N/A |
| Δ ⁹ -THC/PKG | 55.79 mg | | | N/A |
| TOT CBD/PKG ** | 1.67 mg | | | N/A |
| TOT THC/PKG ** | 680.53 mg | | | N/A |

BCL-09: TERPENOID TESTING BY HS-GC/FID // OCT 23, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (µg/g) | PASS/FAIL |
|------------------------|-----------|--------------|-------------------|-----------|
| TOTAL TERPENES | 1.49409 % | 14.9409 mg/g | | N/A |
| β-CARYOPHYLLENE | 0.68907 % | 6.8907 mg/g | 1.73747/126.65099 | N/A |
| D-LIMONENE | 0.27684 % | 2.7684 mg/g | 0.22681/126.65099 | N/A |
| α-HUMULENE | 0.23089 % | 2.3089 mg/g | 0.4247/126.65099 | N/A |
| β-MYRCENE | 0.11583 % | 1.1583 mg/g | 0.34426/126.65099 | N/A |
| LINALOOL | 0.06527 % | 0.6527 mg/g | 0.33569/126.65099 | N/A |
| α-BISABOLOL | 0.06009 % | 0.6009 mg/g | 3.94926/126.65099 | N/A |
| β-PINENE | 0.03650 % | 0.3650 mg/g | 2.05037/126.65099 | N/A |
| α-PINENE | 0.01960 % | 0.1960 mg/g | 0.19554/126.65099 | N/A |
| CAMPHENE | < LOQ | < LOQ | 0.19669/126.65099 | N/A |
| GERANIOL | < LOQ | < LOQ | 0.2639/126.65099 | N/A |
| α-TERPINENE | ND | ND | 0.27241/126.65099 | N/A |
| β-OCIMENE | ND | ND | 0.45341/87.38918 | N/A |
| Δ ³ -CARENE | ND | ND | 0.41742/126.65099 | N/A |
| EUCALYPTOL | ND | ND | 0.42405/126.65099 | N/A |
| γ-TERPINENE | ND | ND | 0.42749/126.65099 | N/A |
| GUAJOL | ND | ND | 2.47423/126.65099 | N/A |
| ISOPULEGOL | ND | ND | 0.49399/126.65099 | N/A |
| α-OCIMENE | ND | ND | 1.22278/39.26181 | N/A |
| P-CYMENE | ND | ND | 0.24682/126.65099 | N/A |
| TERPINOLENE | ND | ND | 0.26785/126.65099 | 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.
 LABORATORY DIRECTOR, BELCOSTA LABS
 OCT 24, 2021



BCL-13: PESTICIDE TESTING BY GC/MS // OCT 23, 2021

| 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 // OCT 23, 2021

| 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 | < LOQ | 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-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // OCT 23, 2021

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------|-----------|------------|-------------------|-----------|
| 1,2-DICHLOROETHANE | 1 µg/g | ND | 0.16069/0.56054 | PASS |
| ACETONE | 5000 µg/g | ND | 18.0867/56.05381 | PASS |
| ACETONITRILE | 410 µg/g | ND | 16.05007/56.05381 | PASS |
| BENZENE | 1 µg/g | ND | 0.071/0.56054 | PASS |
| BUTANE | 5000 µg/g | ND | 16.92451/56.05381 | PASS |
| CHLOROFORM | 1 µg/g | ND | 0.16442/0.56054 | PASS |
| ETHANOL | 5000 µg/g | ND | 13.87519/56.05381 | PASS |
| ETHYL ACETATE | 5000 µg/g | ND | 17.13378/56.05381 | PASS |
| ETHYLENE OXIDE | 1 µg/g | ND | 0.17937/0.56054 | PASS |
| ETHYL ETHER | 5000 µg/g | ND | 15.09342/56.05381 | PASS |
| HEPTANE | 5000 µg/g | ND | 13.20628/56.05381 | PASS |
| HEXANE | 290 µg/g | ND | 20.33259/93.42302 | PASS |
| ISOPROPYL ALCOHOL | 5000 µg/g | ND | 14.01345/56.05381 | PASS |
| METHANOL | 3000 µg/g | ND | 12.56726/56.05381 | PASS |
| METHYLENE CHLORIDE | 1 µg/g | ND | 0.142/0.56054 | PASS |
| PENTANE | 5000 µg/g | ND | 30.90433/93.42302 | PASS |
| PROPANE | 5000 µg/g | ND | 15.96786/56.05381 | PASS |
| TOLUENE | 890 µg/g | ND | 8.82287/56.05381 | PASS |
| TRICHLOROETHYLENE | 1 µg/g | ND | 0.07474/0.56054 | PASS |
| O-XYLENE | | ND | 4.17788/28.02691 | N/A |
| P- AND M-XYLENE | | ND | 3.87145/28.02691 | N/A |
| TOTAL XYLENES | 2170 µg/g | ND | | PASS |

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // OCT 23, 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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // OCT 22, 2021

| ANALYTE | LIMIT | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.49 | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // OCT 22, 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-06: MICROBIOLOGICAL ANALYSIS BY QPCR // OCT 24, 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-020: HEAVY METAL TESTING BY ICP-MS // OCT 22, 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-02: MOISTURE CONTENT BY GRAVIMETRY // OCT 22, 2021

| ANALYTE | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE | | 12.20 | N/A |

