

CERTIFICATE OF ANALYSIS

PRODUCED: JUN 24, 2021

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



BATCH NO.: GHFGG40617MP
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-210621-124
COLLECTED ON: JUN 21, 2021
RECEIVED ON: JUN 21, 2021
BATCH/SAMPLE SIZE: 1060 U / 8 U
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

| | |
|----------------------------|-------------------|
| TOTAL THC: | 22.59665 % |
| TOTAL CBD: | 0.0483 % |
| TOTAL CANNABINOIDS: | 26.21556 % |

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 // JUN 24, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|-------------------------|------------|---------------|----------------|-----------|
| CBC | 0.06926 % | 0.6926 mg/g | 0.01021/0.232 | N/A |
| CBCA | 0.21620 % | 2.1620 mg/g | 0.02923/0.232 | N/A |
| CBD | ND | ND | 0.01438/0.232 | N/A |
| CBDA | 0.05507 % | 0.5507 mg/g | 0.00742/0.232 | N/A |
| CBDV | 0.02557 % | 0.2557 mg/g | 0.01114/0.232 | N/A |
| CBDVA | ND | ND | 0.00742/0.232 | N/A |
| CBG | 0.09721 % | 0.9721 mg/g | 0.01346/0.232 | N/A |
| CBGA | 0.35919 % | 3.5919 mg/g | 0.00928/0.232 | N/A |
| CBN | 0.07633 % | 0.7633 mg/g | 0.00742/0.232 | N/A |
| Δ ⁸ -THC | ND | ND | 0.02691/0.232 | N/A |
| Δ ⁹ -THC | 4.06990 % | 40.6990 mg/g | 0.01949/0.232 | N/A |
| THCA | 21.12514 % | 211.2514 mg/g | 0.01392/0.232 | N/A |
| THCV | ND | ND | 0.01531/0.232 | N/A |
| THCVA | 0.12169 % | 1.2169 mg/g | 0.01067/0.232 | N/A |
| TOT THC ** | 22.59665 % | 225.9665 mg/g | | N/A |
| TOT CBD ** | 0.04830 % | 0.4830 mg/g | | N/A |
| CBD/PKG | ND | | | N/A |
| Δ ⁹ -THC/PKG | 101.75 mg | | | N/A |
| TOT CBD/PKG ** | 1.21 mg | | | N/A |
| TOT THC/PKG ** | 564.92 mg | | | N/A |

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

| ANALYTE | AMT | AMT | LOD/LOQ (µg/g) | PASS/FAIL |
|------------------------|-----------|-------------|-------------------|-----------|
| TOTAL TERPENES | 0.60036 % | 6.0036 mg/g | | N/A |
| β-CARYOPHYLLENE | 0.31785 % | 3.1785 mg/g | 1.89971/138.47676 | N/A |
| α-HUMULENE | 0.10877 % | 1.0877 mg/g | 0.46435/138.47676 | N/A |
| α-BISABOLOL | 0.07206 % | 0.7206 mg/g | 4.31801/138.47676 | N/A |
| D-LIMONENE | 0.04974 % | 0.4974 mg/g | 0.24798/138.47676 | N/A |
| LINALOOL | 0.03585 % | 0.3585 mg/g | 0.36703/138.47676 | N/A |
| β-MYRCENE | 0.01609 % | 0.1609 mg/g | 0.37641/138.47676 | N/A |
| β-PINENE | < LOQ | < LOQ | 2.24181/138.47676 | N/A |
| α-TERPINENE | ND | ND | 0.29785/138.47676 | N/A |
| α-PINENE | ND | ND | 0.21379/138.47676 | N/A |
| β-OCIMENE | ND | ND | 0.49575/95.54896 | N/A |
| CAMPHERE | ND | ND | 0.21505/138.47676 | N/A |
| α-OCIMENE | ND | ND | 1.33695/42.92779 | N/A |
| Δ ³ -CARENE | ND | ND | 0.45639/138.47676 | N/A |
| EUCALYPTOL | ND | ND | 0.46365/138.47676 | N/A |
| γ-TERPINENE | ND | ND | 0.4674/138.47676 | N/A |
| GERANIOL | ND | ND | 0.28854/138.47676 | N/A |
| GUAIOL | ND | ND | 2.70525/138.47676 | N/A |
| ISOPULEGOL | ND | ND | 0.54011/138.47676 | N/A |
| P-CYMENE | ND | ND | 0.26986/138.47676 | N/A |
| TERPINOLENE | ND | ND | 0.29286/138.47676 | N/A |

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



SAMPLE WAS TESTED AS RECEIVED. ALL LQC SAMPLES REQUIRED BY SECTION 5730 OF CALIFORNIA CODE OF REGULATIONS TITLE 16 DIVISION 42 BUREAU OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: RON BROOKS, M.S.
 LABORATORY DIRECTOR, BELCOSTA LABS
 JUN 24, 2021

REGULATORY COMPLIANCE TESTING

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 23, 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 // JUN 24, 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 | PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND | 0.01282/0.06 | PASS |
| CHLORFENAPYR | Any amt | ND | 0.01364/0.06 | PASS | | | | | |



BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JUN 23, 2021

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------|-----------|------------|-------------------|-----------|
| 1,2-DICHLOROETHANE | 1 µg/g | ND | 0.16896/0.58939 | PASS |
| ACETONE | 5000 µg/g | ND | 19.01768/58.9391 | PASS |
| ACETONITRILE | 410 µg/g | ND | 16.87623/58.9391 | PASS |
| BENZENE | 1 µg/g | ND | 0.07466/0.58939 | PASS |
| BUTANE | 5000 µg/g | ND | 17.79568/58.9391 | PASS |
| CHLOROFORM | 1 µg/g | ND | 0.17289/0.58939 | PASS |
| ETHANOL | 5000 µg/g | ND | 14.58939/58.9391 | PASS |
| ETHYL ACETATE | 5000 µg/g | ND | 18.01572/58.9391 | PASS |
| ETHYLENE OXIDE | 1 µg/g | ND | 0.18861/0.58939 | PASS |
| ETHYL ETHER | 5000 µg/g | ND | 15.87033/58.9391 | PASS |
| HEPTANE | 5000 µg/g | ND | 13.88605/58.9391 | PASS |
| HEXANE | 290 µg/g | ND | 21.37917/98.23183 | PASS |
| ISOPROPYL ALCOHOL | 5000 µg/g | ND | 14.73477/58.9391 | PASS |
| METHANOL | 3000 µg/g | ND | 13.21415/58.9391 | PASS |
| METHYLENE CHLORIDE | 1 µg/g | ND | 0.14931/0.58939 | PASS |
| PENTANE | 5000 µg/g | ND | 32.49509/98.23183 | PASS |
| PROPANE | 5000 µg/g | ND | 16.78978/58.9391 | PASS |
| TOLUENE | 890 µg/g | ND | 9.27701/58.9391 | PASS |
| TRICHLOROETHYLENE | 1 µg/g | ND | 0.07859/0.58939 | PASS |
| O-XYLENE | | ND | 4.39293/29.46955 | N/A |
| P- AND M-XYLENE | | ND | 4.07073/29.46955 | N/A |
| TOTAL XYLENES | 2170 µg/g | ND | | PASS |

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUN 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 // JUN 23, 2021

| ANALYTE | LIMIT | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.57 | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 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 // JUN 23, 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 // JUN 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 | 0.063 | 0.0003/0.05 | PASS |
| MERCURY | 0.1 µg/g | < LOQ | 0.0001/0.01 | PASS |

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUN 22, 2021

| ANALYTE | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE | | 10.70 | N/A |

