

CERTIFICATE OF ANALYSIS

PRODUCED: SEP 01, 2021

SAMPLE: CHERRY AK (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFCAK0827SMOZ
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-210827-179
COLLECTED ON: AUG 27, 2021
RECEIVED ON: AUG 27, 2021
BATCH/SAMPLE SIZE: 22700 G / 80 G

CANNABINOID OVERVIEW

| | |
|----------------------------|-------------------|
| TOTAL THC: | 28.41983 % |
| TOTAL CBD: | 0.07911 % |
| TOTAL CANNABINOIDS: | 33.63096 % |

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 // AUG 31, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------|
| CBC | 0.03626 % | 0.3626 mg/g | 0.01094/0.24866 | N/A |
| CBCA | 0.41006 % | 4.1006 mg/g | 0.03133/0.24866 | N/A |
| CBD | ND | ND | 0.01542/0.24866 | N/A |
| CBDA | 0.09021 % | 0.9021 mg/g | 0.00796/0.24866 | N/A |
| CBDV | ND | ND | 0.01194/0.24866 | N/A |
| CBDVA | ND | ND | 0.00796/0.24866 | N/A |
| CBG | 0.19973 % | 1.9973 mg/g | 0.01442/0.24866 | N/A |
| CBGA | 0.67785 % | 6.7785 mg/g | 0.00995/0.24866 | N/A |
| CBN | ND | ND | 0.00796/0.24866 | N/A |
| Δ ⁸ -THC | ND | ND | 0.02884/0.24866 | N/A |
| Δ ⁹ -THC | 2.29100 % | 22.9100 mg/g | 0.02089/0.24866 | N/A |
| THCA | 29.79342 % | 297.9342 mg/g | 0.01492/0.24866 | N/A |
| THCV | ND | ND | 0.01641/0.24866 | N/A |
| THCVA | 0.13243 % | 1.3243 mg/g | 0.01144/0.24866 | N/A |
| TOT THC ** | 28.41983 % | 284.1983 mg/g | | N/A |
| TOT CBD ** | 0.07911 % | 0.7911 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 // AUG 30, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (µg/g) | PASS/FAIL |
|------------------------|-----------|--------------|-------------------|-----------|
| TOTAL TERPENES | 2.30891 % | 23.0891 mg/g | | N/A |
| β-MYRCENE | 1.00133 % | 10.0133 mg/g | 0.35112/129.17512 | N/A |
| β-CARYOPHYLLENE | 0.61382 % | 6.1382 mg/g | 1.7721/129.17512 | N/A |
| α-HUMULENE | 0.16406 % | 1.6406 mg/g | 0.43316/129.17512 | N/A |
| α-PINENE | 0.14228 % | 1.4228 mg/g | 0.19943/129.17512 | N/A |
| β-OCIMENE | 0.12946 % | 1.2946 mg/g | 0.46245/89.13084 | N/A |
| α-BISABOLOL | 0.09964 % | 0.9964 mg/g | 4.02796/129.17512 | N/A |
| D-LIMONENE | 0.08722 % | 0.8722 mg/g | 0.23133/129.17512 | N/A |
| β-PINENE | 0.05599 % | 0.5599 mg/g | 2.09123/129.17512 | N/A |
| LINALOOL | 0.01511 % | 0.1511 mg/g | 0.34238/129.17512 | N/A |
| CAMPHENE | < LOQ | < LOQ | 0.20061/129.17512 | N/A |
| α-TERPINENE | ND | ND | 0.27784/129.17512 | N/A |
| α-OCIMENE | ND | ND | 1.24715/40.04429 | N/A |
| Δ ³ -CARENE | ND | ND | 0.42574/129.17512 | N/A |
| EUCALYPTOL | ND | ND | 0.4325/129.17512 | N/A |
| γ-TERPINENE | ND | ND | 0.436/129.17512 | N/A |
| GERANIOL | ND | ND | 0.26916/129.17512 | N/A |
| GUAIOL | ND | ND | 2.52354/129.17512 | N/A |
| ISOPULEGOL | ND | ND | 0.50383/129.17512 | N/A |
| P-CYMENE | ND | ND | 0.25174/129.17512 | N/A |
| TERPINOLENE | ND | ND | 0.27319/129.17512 | 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
 SEP 01, 2021



BCL-13: PESTICIDE TESTING BY GC/MS // AUG 31, 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 // AUG 31, 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 | ND | 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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // AUG 28, 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 // AUG 28, 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 // AUG 31, 2021

| ANALYTE | LIMIT | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.58 | PASS |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // AUG 29, 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 // AUG 31, 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 // AUG 28, 2021

| ANALYTE | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE | | 14.00 | N/A |

