

CERTIFICATE OF ANALYSIS

PRODUCED: NOV 28, 2021

SAMPLE: TROPIC HEAT (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFTH1123SMOZ
METRC UID: 1A406030000A423000004188
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-211123-077
COLLECTED ON: NOV 23, 2021
RECEIVED ON: NOV 23, 2021
BATCH/SAMPLE SIZE: 22700 G / 80 G

CANNABINOID OVERVIEW

| | |
|----------------------------|-------------------|
| TOTAL THC: | 23.42638 % |
| TOTAL CBD: | 0.053 % |
| TOTAL CANNABINOIDS: | 27.4311 % |

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 // NOV 28, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------|
| CBC | < LOQ | < LOQ | 0.01055/0.23969 | N/A |
| CBCA | 0.27607 % | 2.7607 mg/g | 0.0302/0.23969 | N/A |
| CBD | ND | ND | 0.01486/0.23969 | N/A |
| CBDA | 0.06043 % | 0.6043 mg/g | 0.00767/0.23969 | N/A |
| CBDV | ND | ND | 0.01151/0.23969 | N/A |
| CBDVA | < LOQ | < LOQ | 0.00767/0.23969 | N/A |
| CBG | 0.12986 % | 1.2986 mg/g | 0.0139/0.23969 | N/A |
| CBGA | 0.21781 % | 2.1781 mg/g | 0.00959/0.23969 | N/A |
| CBN | ND | ND | 0.00767/0.23969 | N/A |
| Δ ⁸ -THC | ND | ND | 0.0278/0.23969 | N/A |
| Δ ⁹ -THC | 0.81821 % | 8.1821 mg/g | 0.02013/0.23969 | N/A |
| THCA | 25.77899 % | 257.7899 mg/g | 0.01438/0.23969 | N/A |
| THCV | ND | ND | 0.01582/0.23969 | N/A |
| THCVA | 0.14973 % | 1.4973 mg/g | 0.01103/0.23969 | N/A |
| TOT THC ** | 23.42638 % | 234.2638 mg/g | | N/A |
| TOT CBD ** | 0.05300 % | 0.5300 mg/g | | N/A |

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

BCL-09: TERPENOID TESTING BY HS-GC/FID // NOV 26, 2021

| ANALYTE | AMT | AMT | LOD/LOQ (µg/g) | PASS/FAIL |
|------------------------|-----------|--------------|-------------------|-----------|
| TOTAL TERPENES | 2.07540 % | 20.7540 mg/g | | N/A |
| β-CARYOPHYLLENE | 0.67981 % | 6.7981 mg/g | 1.80271/131.40604 | N/A |
| D-LIMONENE | 0.44041 % | 4.4041 mg/g | 0.23532/131.40604 | N/A |
| α-HUMULENE | 0.23957 % | 2.3957 mg/g | 0.44064/131.40604 | N/A |
| α-BISABOLOL | 0.23075 % | 2.3075 mg/g | 4.09753/131.40604 | N/A |
| LINALOOL | 0.10705 % | 1.0705 mg/g | 0.34829/131.40604 | N/A |
| β-MYRCENE | 0.10174 % | 1.0174 mg/g | 0.35719/131.40604 | N/A |
| GUAIOL | 0.08130 % | 0.8130 mg/g | 2.56712/131.40604 | N/A |
| β-PINENE | 0.08035 % | 0.8035 mg/g | 2.12735/131.40604 | N/A |
| α-PINENE | 0.06823 % | 0.6823 mg/g | 0.20288/131.40604 | N/A |
| β-OCIMENE | 0.03182 % | 0.3182 mg/g | 0.47043/90.67017 | N/A |
| CAMPHENE | 0.01437 % | 0.1437 mg/g | 0.20407/131.40604 | N/A |
| TERPINOLENE | < LOQ | < LOQ | 0.27791/131.40604 | N/A |
| α-TERPINENE | ND | ND | 0.28264/131.40604 | N/A |
| α-OCIMENE | ND | ND | 1.26869/40.73587 | N/A |
| Δ ³ -CARENE | ND | ND | 0.43309/131.40604 | N/A |
| EUCALYPTOL | ND | ND | 0.43997/131.40604 | N/A |
| γ-TERPINENE | ND | ND | 0.44353/131.40604 | N/A |
| GERANIOL | ND | ND | 0.27381/131.40604 | N/A |
| ISOPULEGOL | ND | ND | 0.51254/131.40604 | N/A |
| P-CYMENE | ND | ND | 0.25608/131.40604 | 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
 NOV 28, 2021



REGULATORY COMPLIANCE TESTING

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // NOV 25, 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 // NOV 26, 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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // NOV 23, 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 // NOV 24, 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 // NOV 24, 2021

| ANALYTE | LIMIT | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.54 | PASS |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // NOV 25, 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 // NOV 25, 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 // NOV 24, 2021

| ANALYTE | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE | | 11.70 | N/A |

