

CERTIFICATE OF ANALYSIS

PRODUCED: APR 11, 2020

SAMPLE: 2020_03_19_LEM_FL (FLOWER) // CLIENT: WALNUT LLC // BATCH: PASS



BATCH NO.: 2020_03_19_LEM_FL
 MATRIX: FLOWER
 CATEGORY: INHALABLE
 SAMPLE ID: BCL-200408-004
 COLLECTED ON: APR 08, 2020
 RECEIVED ON: APR 08, 2020
 BATCH SIZE: 20825 GRAMS
 SAMPLE SIZE: 73.2 GRAMS

CANNABINOID OVERVIEW

TOTAL THC: 27.11181 %
 TOTAL CBD: 0.06233 %
 TOTAL CANNABINOIDS: 34.73379 %

CULTIVATOR INFO

CULTIVATOR
 WALNUT LLC
 3030 WALNUT STE 160
 LONG BEACH, CA 90807

LICENSE
 CCL19-0000600
 MEDICINAL - CULTIVATOR LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
 WALNUT LLC
 3030 WALNUT STE 160
 LONG BEACH, CA 90807

LICENSE
 C11-0001016-LIC
 ADULT-USE AND MEDICINAL -
 DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // APR 09, 2020

| ANALYTE | AMOUNT | AMOUNT | LOD/LOQ (mg/g) | PASS/FAIL |
|---------------------|------------|---------------|----------------|-----------|
| CBC | 0.02002 % | 0.2002 mg/g | 0.025/0.1 | N/A |
| CBCA | 0.35836 % | 3.5836 mg/g | 0.025/0.1 | N/A |
| CBD | ND | ND | 0.025/0.1 | N/A |
| CBDA | 0.07108 % | 0.7108 mg/g | 0.025/0.1 | N/A |
| CBDV | ND | ND | 0.025/0.1 | N/A |
| CBDVA | ND | ND | 0.025/0.1 | N/A |
| CBG | 0.28152 % | 2.8152 mg/g | 0.025/0.1 | N/A |
| CBGA | 3.08835 % | 30.8835 mg/g | 0.025/0.1 | N/A |
| CBN | ND | ND | 0.025/0.1 | N/A |
| Δ ⁸ -THC | 0.07016 % | 0.7016 mg/g | 0.025/0.1 | N/A |
| Δ ⁹ -THC | 1.44442 % | 14.4442 mg/g | 0.025/0.1 | N/A |
| THCA | 29.26726 % | 292.6726 mg/g | 0.025/0.1 | N/A |
| THCV | ND | ND | 0.025/0.1 | N/A |
| THCVA | 0.13262 % | 1.3262 mg/g | 0.025/0.1 | N/A |
| TOTAL THC ** | 27.11181 % | 271.1181 mg/g | N/A | N/A |
| TOTAL CBD ** | 0.06233 % | 0.6233 mg/g | N/A | 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 // APR 10, 2020

| ANALYTE | AMOUNT | AMOUNT | PASS/FAIL |
|------------------------|-----------|--------------|-----------|
| TOTAL TERPENES | 1.96474 % | 19.6474 mg/g | N/A |
| TERPINOLENE | 0.62548 % | 6.2548 mg/g | N/A |
| β-CARYOPHYLLENE | 0.29888 % | 2.9888 mg/g | N/A |
| β-MYRCENE | 0.19959 % | 1.9959 mg/g | N/A |
| β-OCIMENE | 0.18596 % | 1.8596 mg/g | N/A |
| α-HUMULENE | 0.10089 % | 1.0089 mg/g | N/A |
| D-LIMONENE | 0.10053 % | 1.0053 mg/g | N/A |
| β-PINENE | 0.09051 % | 0.9051 mg/g | N/A |
| LINALOOL | 0.08978 % | 0.8978 mg/g | N/A |
| α-BISABOLOL | 0.07076 % | 0.7076 mg/g | N/A |
| α-PINENE | 0.06728 % | 0.6728 mg/g | N/A |
| α-TERPINENE | 0.04767 % | 0.4767 mg/g | N/A |
| Δ ³ -CARENE | 0.0462 % | 0.462 mg/g | N/A |
| γ-TERPINENE | 0.04121 % | 0.4121 mg/g | N/A |
| ISOPULEGOL | ND | ND | N/A |
| P-CYMELE | ND | ND | N/A |
| CIS-NEROLIDOL | ND | ND | N/A |
| GUAIOL | ND | ND | N/A |
| GERANIOL | ND | ND | N/A |
| CARYOPHYLLENE OXIDE | ND | ND | N/A |
| CAMPHERE | ND | ND | N/A |
| α-OCIMENE | ND | ND | N/A |
| TRANS-NEROLIDOL | ND | ND | N/A |

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.
 SCIENTIFIC DIRECTOR, BELCOSTA LABS
 APR 11, 2020




BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 10, 2020

| ANALYTE | LIMIT | AMOUNT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|----------------------|------------|---------------|----------------|-----------|
| ABAMECTIN | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| ACEPHATE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| ACEQUINOCYL | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| ACETAMIPRID | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| ALDICARB | Any amount | ND | 0.03/0.05 | PASS |
| AZOXYSTROBIN | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| BIFENAZATE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| BIFENTHRIN | 3 µg/g | ND | 0.03/0.05 | PASS |
| BOSCALID | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| CARBARYL | 0.5 µg/g | ND | 0.03/0.05 | PASS |
| CARBOFURAN | Any amount | ND | 0.03/0.05 | PASS |
| CHLORANTRANIL-IPROLE | 10 µg/g | ND | 0.03/0.05 | PASS |
| CLOFENTEZINE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| COUMAPHOS | Any amount | ND | 0.03/0.05 | PASS |
| CYFLUTHRIN | 2 µg/g | ND | 0.03/0.05 | PASS |
| CYPERMETHRIN | 1 µg/g | ND | 0.03/0.05 | PASS |
| DAMINOZIDE | Any amount | ND | 0.03/0.05 | PASS |
| DIAZINON | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| DIMETHOATE | Any amount | ND | 0.03/0.05 | PASS |
| DIMETHOMORPH | 2 µg/g | ND | 0.03/0.05 | PASS |
| ETHOPROPHOS | Any amount | ND | 0.03/0.05 | PASS |
| ETOFENPROX | Any amount | ND | 0.03/0.05 | PASS |
| ETOXAZOLE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| FENHEXAMID | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| FENOXYCARB | Any amount | ND | 0.03/0.05 | PASS |
| FENPYROXIMATE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| FIPRONIL | Any amount | ND | 0.03/0.05 | PASS |
| FLONICAMID | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| FLUDIOXONIL | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| HEXYTHIAZOX | 0.1 µg/g | ND | 0.03/0.05 | PASS |

BCL-13: PESTICIDE TESTING BY GC/MS // APR 10, 2020

| ANALYTE | LIMIT | AMOUNT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------|------------|---------------|----------------|-----------|
| CAPTAN | 0.7 µg/g | ND | 0.03/0.05 | PASS |
| CHLORDANE | Any amount | ND | 0.03/0.05 | PASS |
| CHLORFENAPYR | Any amount | ND | 0.03/0.05 | PASS |
| CHLORPYRIFOS | Any amount | ND | 0.03/0.05 | PASS |

| ANALYTE | LIMIT | AMOUNT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|-------------------|------------|---------------|----------------|-----------|
| IMAZALIL | Any amount | ND | 0.03/0.05 | PASS |
| IMIDACLOPRID | 5 µg/g | ND | 0.03/0.05 | PASS |
| KRESOXIM-METHYL | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| MALATHION | 0.5 µg/g | ND | 0.03/0.05 | PASS |
| METALAXYL | 2 µg/g | ND | 0.03/0.05 | PASS |
| METHIOCARB | Any amount | ND | 0.03/0.05 | PASS |
| METHOMYL | 1 µg/g | ND | 0.03/0.05 | PASS |
| MEVINPHOS | Any amount | ND | 0.03/0.05 | PASS |
| MYCLOBUTANIL | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| NALED | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| OXAMYL | 0.5 µg/g | ND | 0.03/0.05 | PASS |
| PACLOBUTRAZOL | Any amount | ND | 0.03/0.05 | PASS |
| PERMETHRIN | 0.5 µg/g | ND | 0.03/0.05 | PASS |
| PHOSMET | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| PIPERONYLBUTOXIDE | 3 µg/g | ND | 0.03/0.05 | PASS |
| PRALLETHRIN | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| PROPICONAZOLE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| PROPOXUR | Any amount | ND | 0.03/0.05 | PASS |
| PYRETHRINS | 0.5 µg/g | ND | 0.03/0.05 | PASS |
| PYRIDABEN | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| SPINETORAM | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| SPINOSAD | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| SPIROMESIFEN | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| SPIROTETRAMAT | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| SPIROXAMINE | Any amount | ND | 0.03/0.05 | PASS |
| TEBUCONAZOLE | 0.1 µg/g | ND | 0.03/0.05 | PASS |
| THIACLOPRID | Any amount | ND | 0.03/0.05 | PASS |
| THIAMETHOXAM | 5 µg/g | ND | 0.03/0.05 | PASS |
| TRIFLOXYSTROBIN | 0.1 µg/g | ND | 0.03/0.05 | PASS |



BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 09, 2020

| ANALYTE | LIMIT | AMOUNT (%) | PASS/FAIL |
|---------------------------|--------|------------|-----------|
| CINDERS | 25 % | ND | PASS |
| DIRT | 25 % | ND | PASS |
| IMBEDDED FOREIGN MATERIAL | 25 % | ND | PASS |
| INSECT FRAGMENTS | 1 Unit | ND | PASS |
| MAMMAL EXCREMENT | 1 Unit | ND | PASS |
| MOLD | 25 % | ND | PASS |
| RODENT HAIR | 1 Unit | ND | PASS |
| SAND | 25 % | ND | PASS |
| SOIL | 25 % | ND | PASS |

BCL-020: HEAVY METAL TESTING BY ICP-MS // APR 10, 2020

| ANALYTE | LIMIT | AMOUNT (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 // APR 09, 2020

| ANALYTE | LIMIT | AMOUNT (%) | PASS/FAIL |
|----------|-------|------------|-----------|
| MOISTURE | | 9 | N/A |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // APR 10, 2020

| ANALYTE | LIMIT | AMOUNT (CFU) | PASS/FAIL |
|-----------------------|----------------------|--------------|-----------|
| ASPERGILLUS FLAVUS | Any amount in 1 gram | ND | PASS |
| ASPERGILLUS FUMIGATUS | Any amount in 1 gram | ND | PASS |
| ASPERGILLUS NIGER | Any amount in 1 gram | ND | PASS |
| ASPERGILLUS TERREUS | Any amount in 1 gram | ND | PASS |
| ESCHERICHIA COLI | Any amount in 1 gram | ND | PASS |
| SALMONELLA SPP. | Any amount in 1 gram | ND | PASS |

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // APR 10, 2020

| ANALYTE | LIMIT | AMOUNT (µg/kg) | LOD/LOQ (µg/kg) | PASS/FAIL |
|--------------|----------|----------------|-----------------|-----------|
| AFLATOXIN B1 | | ND | 1.476/4.472 | N/A |
| AFLATOXIN B2 | | ND | 1.683/5.101 | N/A |
| AFLATOXIN G1 | | ND | 1.559/4.723 | N/A |
| AFLATOXIN G2 | | ND | 1.585/4.804 | N/A |
| AFLATOXINS | 20 µg/kg | ND | 6.303/19.1 | PASS |
| OCHRATOXIN A | 20 µg/kg | ND | 3.312/10.037 | PASS |

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // APR 09, 2020

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

