REGULATORY COMPLIANCE TESTING



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CA LICENSE #: C8-0000008-LIC

CERTIFICATE OF ANALYSIS

PRODUCED: DEC 20, 2019

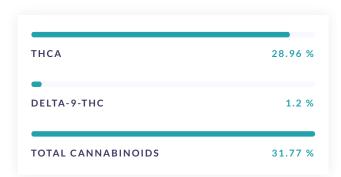
2019_11_20_ORG_FL (FLOWER) // CLIENT: WALNUT LLC

BATCH RESULT: PASS



BATCH NO.: 2019_11_20_ORG_FL

MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-191216-001
COLLECTED ON: DEC 16, 2019
RECEIVED ON: DEC 16, 2019
BATCH SIZE: 14718 GRAMS
SAMPLE SIZE: 54 GRAMS









PASS



PASS



*







PASS

CANNABINOIDS

PASS PASS

CULTIVATOR

WALNUT LLC 3030 WALNUT STE 160 LONG BEACH, CA 90807

LICENSE CCI 19-0000600

TYPE
MEDICINAL - CULTIVATOR LICENSE

DISTRIBUTOR

WALNUT LLC 3030 WALNUT STE 160 LONG BEACH, CA 90807

LICENSE C11-0001016-LIC

ADULT-USE AND MEDICINAL -DISTRIBUTOR LICENSE



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

DEC 20 2019

BCL-03: CANNABINOID POTENCY BY HPLC-UV DEC 19, 2019

DRY-WEIGHT AMOUNTS SHOWN



| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | LOD | LOQ | PASS/FAIL |
|--|----------------|------------|---------------|------------|----------|-----------|
| СВС | | ND | N D | 0.025 mg/g | 0.1 mg/g | N/A |
| CBCA | | 0.44557 % | 4.4557 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBD | | ND | N D | 0.025 mg/g | 0.1 mg/g | N/A |
| CBDA | | 0.08682 % | 0.8682 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBDV | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| CBDVA | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| CBG | | 0.20971 % | 2.0971 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBGA | | 0.77569 % | 7.7569 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBN | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| Δ ⁸ -THC | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| Δ ⁹ -ΤΗC | | 1.2028 % | 12.028 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| THCA | | 28.95514 % | 289.5514 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| тнсv | | ND | N D | 0.025 mg/g | 0.1 mg/g | N/A |
| THCVA | | 0.09825 % | 0.9825 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| TOTAL THC (TOTAL THC = (THCA X 0.877) | + THC) | 26.59646 % | 265.9646 mg/g | | | N/A |
| TOTAL CBD (TOTAL CBD = (CBDA X 0.877) |) + CBD) | 0.07614 % | 0.7614 mg/g | | | N/A |



BCL-09: TERPENOID TESTING BY HS-GC/FID

DEC 19, 2019

| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | PASS/FAIL |
|------------------------|----------------|-----------|--------------|-----------|
| TOTAL TERPENES | | 2.49608 % | 24.9608 mg/g | N/A |
| D-LIMONENE | | 0.64534 % | 6.4534 mg/g | N/A |
| β-PINENE | | 0.54854 % | 5.4854 mg/g | N/A |
| β-CARYOPHYLLENE | | 0.50171 % | 5.0171 mg/g | N/A |
| LINALOOL | | 0.30329 % | 3.0329 mg/g | N/A |
| α-HUMULENE | | 0.19001 % | 1.9001 mg/g | N/A |
| β-MYRCENE | | 0.09686 % | 0.9686 mg/g | N/A |
| α-BISABOLOL | | 0.08901 % | 0.8901 mg/g | N/A |
| α-PINENE | | 0.05095 % | 0.5095 mg/g | N/A |
| TRANS-NEROLIDOL | | 0.03302 % | 0.3302 mg/g | N/A |
| CARYOPHYLLENE OXIDE | | 0.02047 % | 0.2047 mg/g | N/A |
| CAMPHENE | | 0.01688 % | 0.1688 mg/g | N/A |
| CIS-NEROLIDOL | | ND | ND | N/A |
| α-TERPINENE | | ND | ND | N/A |
| Δ ³ -CARENE | | ND | ND | N/A |
| y-TERPINENE | | ND | ND | N/A |
| GERANIOL | | N D | ND | N/A |
| GUAIOL | | N D | ND | N/A |



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| ISOPULEGOL | ND | ND | N/A |
|-------------|----|-----|-----|
| P-CYMENE | ND | N D | N/A |
| TERPINOLENE | ND | N D | N/A |

BCL-02: MOISTURE CONTENT BY GRAVIMETRY DEC 17, 2019



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------|--------------|----------|-----------|
| MOISTURE | | 6.3 % | N/A |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR DEC 18, 2019



| ANALYTE | ACTION LIMIT | DETECTED | 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 DEC 18, 2019

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

BCL-13: PESTICIDE TESTING BY GC/MS DEC 18, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|--------------|--------------|----------|--------------|--------------|-----------|
| CAPTAN | 0.7 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| CHLORDANE | Any amount | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| CHLORFENAPYR | Any amount | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| CHLORPYRIFOS | Any amount | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| CYFLUTHRIN | 2 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|------------------------------|--------------|----------|--------------|--------------|-----------|
| CYPERMETHRIN | 1 μg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| DICHLORVOS | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| METHYL PARATHION | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| PENTACHLORONI- TROBENZENE | 0.1 μg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| | | | | | |



BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI DEC 18, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL | ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|--------------------------|--------------|----------|--------------|--------------|-----------|------------------------|--------------|----------|--------------|--------------|-----------|
| ABAMECTIN | 0.1 μg/g | ND | 0.03 µg/g | | PASS | IMIDACLOPRID | 5 μg/g | ND | 0.03 µg/g | | PASS |
| АСЕРНАТЕ | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | KRESOXIM- METHYL | 0.1 μg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| ACEQUINOCYL | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | MALATHION | 0.5 μg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| ACETAMIPRID | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | METALAXYL | 2 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| ALDICARB | Any amount | ND | 0.03 µg/g | 0.05 μg/g | PASS | METHIOCARB | Any amount | ND | 0.03 μg/g | 0.05 μg/g | PASS |
| AZOXYSTROBIN | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | METHOMYL | 1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| BIFENAZATE | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | MEVINPHOS | Any amount | ND | 0.03 μg/g | 0.05 μg/g | PASS |
| BIFENTHRIN | 3 µg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | MYCLOBUTANIL | 0.1 μg/g | ND | 0.03 μg/g | 0.05 μg/g | PASS |
| BOSCALID | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | NALED | 0.1 μg/g | ND | 0.03 μg/g | 0.05 μg/g | PASS |
| CARBARYL | 0.5 µg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | OXAMYL | 0.5 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| CARBOFURAN | Any amount | ND | 0.03 µg/g | 0.05 μg/g | PASS | PACLOBUTRAZOL | Any amount | ND | 0.03 μg/g | 0.05 μg/g | PASS |
| CHLORANTRANIL- IPROLE | 10 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | PERMETHRIN | 0.5 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| CLOFENTEZINE | 0.1 μg/g | ND | | 0.05 μg/g | PASS | PHOSMET | 0.1 μg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| COUMAPHOS | Any amount | ND | | 0.05 μg/g | PASS | PIPERONYLBUTO- XIDE | 3 µg/g | ND | | 0.05 µg/g | PASS |
| DAMINOZIDE | Any amount | ND | | 0.05 μg/g | PASS | PRALLETHRIN | 0.1 μg/g | ND | | 0.05 μg/g | PASS |
| DIAZINON | 0.1 μg/g | ND | | 0.05 μg/g | PASS | PROPICONAZOLE | 0.1 μg/g | ND | | 0.05 μg/g | PASS |
| DIMETHOATE | Any amount | ND | | 0.05 μg/g | PASS | PROPOXUR | Any amount | ND | | 0.05 μg/g | PASS |
| DIMETHOMORPH | 2 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS | PYRETHRINS | 0.5 μg/g | ND | 0.03 μg/g | 0.05 μg/g | PASS |



REGULATORY COMPLIANCE TESTING

| ETHOPROPHOS | Any amount | ΝD | 0.03 µg/g | | PASS |
|---------------|------------|----|--------------|--------------|------|
| ETOFENPROX | Any amount | ΝD | 0.03 µg/g | | PASS |
| ETOXAZOLE | 0.1 μg/g | ΝD | 0.03 µg/g | 0.05 μg/g | PASS |
| FENHEXAMID | 0.1 μg/g | ΝD | 0.03 µg/g | | PASS |
| FENOXYCARB | Any amount | ND | 0.03 µg/g | | PASS |
| FENPYROXIMATE | 0.1 μg/g | ND | 0.03 µg/g | 0.05 μg/g | PASS |
| FIPRONIL | Any amount | ND | 0.03 µg/g | | PASS |
| FLONICAMID | 0.1 μg/g | ND | 0.03 µg/g | | PASS |
| FLUDIOXONIL | 0.1 μg/g | ΝD | 0.03 µg/g | | PASS |
| HEXYTHIAZOX | 0.1 μg/g | ND | 0.03 µg/g | | PASS |
| IMAZALIL | Any amount | ND | 0.03 µg/g | | PASS |

| PYRIDABEN 0.1 μg/g ND 0.03 μg/g μg/g μg/g PASS SPINETORAM 0.1 μg/g ND 0.03 μg/g μg/g PASS SPINOSAD 0.1 μg/g ND 0.03 μg/g μg/g PASS SPIROMESIFEN 0.1 μg/g ND 0.03 μg/g μg/g PASS SPIROTETRAMAT 0.1 μg/g ND 0.03 μg/g μg/g PASS SPIROXAMINE Any amount ND 0.03 μg/g μg/g PASS TEBUCONAZOLE 0.1 μg/g ND 0.03 μg/g μg/g PASS THIACLOPRID Any amount ND 0.03 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 μg/g 0.05 μg/g PASS TRIFLOXYSTROB-IN 0.1 μg/g ND 0.03 μg/g 0.05 μg/g PASS | | | | | |
|--|---------------|------------|----|--|------|
| SPINETORAM 0.1 μg/g ND μg/g μg/g μg/g μg/g SPINOSAD 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS SPIROMESIFEN 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS SPIROTETRAMAT 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS SPIROXAMINE Any amount ND 0.03 0.05 μg/g μg/g PASS TEBUCONAZOLE 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS THIACLOPRID Any amount ND 0.03 0.05 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS | PYRIDABEN | 0.1 µg/g | ND | | PASS |
| SPINOSAD 0.1 μg/g ND μg/g μg/g μg/g PASS SPIROMESIFEN 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS SPIROTETRAMAT 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS SPIROXAMINE Any amount ND 0.03 0.05 μg/g μg/g PASS TEBUCONAZOLE 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS THIACLOPRID Any amount ND 0.03 0.05 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS | SPINETORAM | 0.1 µg/g | ND | | PASS |
| SPIROMESIFEN 0.1 μg/g ND μg/g μg/g μg/g μg/g SPIROTETRAMAT 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS SPIROXAMINE Any amount ND 0.03 0.05 μg/g μg/g PASS TEBUCONAZOLE 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS THIACLOPRID Any amount ND 0.03 0.05 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 μg/g PASS | SPINOSAD | 0.1 µg/g | ND | | PASS |
| SPIROTETRAMAT 0.1 μg/g ND μg/g μg/g μg/g PASS SPIROXAMINE Any amount ND 0.03 0.05 μg/g μg/g PASS TEBUCONAZOLE 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS THIACLOPRID Any amount ND 0.03 0.05 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 μg/g PASS | SPIROMESIFEN | 0.1 µg/g | ND | | PASS |
| TEBUCONAZOLE 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS THIACLOPRID Any amount ND 0.03 0.05 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 μg/g PASS | SPIROTETRAMAT | 0.1 µg/g | ND | | PASS |
| THIACLOPRID Any amount ND 0.03 0.05 μg/g μg/g PASS THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 μg/g μg/g PASS | SPIROXAMINE | Any amount | ND | | PASS |
| THIACLOPRID Any amount ND μg/g μg/g μg/g THIAMETHOXAM 5 μg/g ND 0.03 0.05 μg/g PASS TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 PASS | TEBUCONAZOLE | 0.1 µg/g | ND | | PASS |
| TRIFLOXYSTROB- 0.1 μg/g ND 0.03 0.05 PASS | THIACLOPRID | Any amount | ND | | PASS |
| 0.1 ug/g ND PASS | THIAMETHOXAM | 5 µg/g | ND | | PASS |
| | | 0.1 µg/g | ND | | PASS |

BCL-10: HEAVY METAL TESTING BY ICP-MS DEC 18, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|---------|--------------|----------|-------------|-----------|-----------|
| ARSENIC | 0.2 μg/g | < L0Q | 0.0002 μg/g | 0.04 µg/g | PASS |
| CADMIUM | 0.2 μg/g | < LOQ | 0.0001 µg/g | 0.04 µg/g | PASS |
| LEAD | 0.5 μg/g | < LOQ | 0.0005 µg/g | 0.05 µg/g | PASS |
| MERCURY | 0.1 μg/g | < LOQ | 0.0006 µg/g | 0.04 µg/g | PASS |



BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM DEC 17, 2019



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------------|--------------|----------|-----------|
| WATER ACTIVITY | 0.65 AW | 0.44 Aw | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY DEC 17, 2019



| ANALYTE | ACTION LIMIT | DETECTED | 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 |

