

BELCOSTA LABS // 1131 E. SOUTH STREET LONG BEACH CA 90805 // PH: (562) 676-4206

CA LICENSE #: C8-0000008-LIC

CERTIFICATE OF ANALYSIS

PRODUCED: OCT 29, 2019

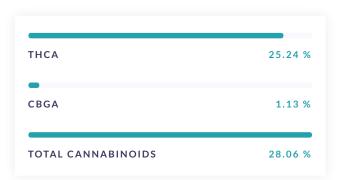
2019_10_05_COO_FL (FLOWER) // CLIENT: WALNUT LLC

BATCH RESULT: PASS



BATCH NO.: 2019_10_05_COO_FL

MATRIX: FLOWER CATEGORY: INHALABLE **SAMPLE ID:** BCL-191025-024 COLLECTED ON: OCT 25, 2019 RECEIVED ON: OCT 25, 2019 BATCH SIZE: 4070 GRAMS SAMPLE SIZE: 15 GRAMS







PASS



PASS



PASS









CANNABINOIDS

HEAVY METALS WATER ACTIVITY PASS PASS

MATERIALS PASS

CULTIVATOR

WALNUT LLC 3030 WALNUT STE 160 LONG BEACH, CA 90807

LICENSE CCI 19-0000600

MEDICINAL - CULTIVATOR LICENSE

DISTRIBUTOR

WALNUT LLC 3030 WALNUT STE 160 LONG BEACH, CA 90807

LICENSE C11-0001016-LIC

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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

BCL-03: CANNABINOID POTENCY BY HPLC-UV OCT 27, 2019

DRY-WEIGHT AMOUNTS SHOWN



| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | LOD | LOQ | PASS/FAIL |
|---|----------------|------------|---------------|------------|----------|-----------|
| СВС | | 0.02937 % | 0.2937 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBCA | | 0.59413 % | 5.9413 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBD | | 0.17263 % | 1.7263 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBDA | | 0.08402 % | 0.8402 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 | | 0.10542 % | 1.0542 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBGA | | 1.12865 % | 11.2865 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 -THC | | 0.61088 % | 6.1088 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| тнса | | 25.23587 % | 252.3587 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| тнсv | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| THCVA | | 0.10118 % | 1.0118 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| TOTAL THC (TOTAL THC = (THCA X 0.877 |) + THC) | 22.74274 % | 227.4274 mg/g | | | N/A |
| TOTAL CBD (TOTAL CBD = (CBDA X 0.877 |) + CBD) | 0.24632 % | 2.4632 mg/g | | | N/A |



BCL-09: TERPENOID TESTING BY HS-GC/FID OCT 27, 2019

| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | PASS/FAIL |
|-----------------|----------------|-----------|--------------|-----------|
| TOTAL TERPENES | | 3.39419 % | 33.9419 mg/g | N/A |
| β-CARYOPHYLLENE | | 1.42089 % | 14.2089 mg/g | N/A |
| D-LIMONENE | | 0.63401 % | 6.3401 mg/g | N/A |
| α-HUMULENE | | 0.47837 % | 4.7837 mg/g | N/A |
| LINALOOL | | 0.31812 % | 3.1812 mg/g | N/A |
| β-PINENE | | 0.27432 % | 2.7432 mg/g | N/A |
| β-MYRCENE | | 0.1289 % | 1.289 mg/g | N/A |
| α-PINENE | | 0.07025 % | 0.7025 mg/g | N/A |
| α-BISABOLOL | | 0.06933 % | 0.6933 mg/g | N/A |
| P-CYMENE | | ND | ND | N/A |
| y-TERPINENE | | ND | ND | N/A |
| CIS-NEROLIDOL | | ND | ND | N/A |
| β-OCIMENE | | ND | ND | N/A |
| 1,8-CINEOLE | | ND | ND | N/A |
| α-TERPINENE | | ND | ND | N/A |
| CAMPHENE | | ND | ND | N/A |
| α-O C I M E N E | | ND | ND | N/A |
| TERPINOLENE | | ND | ND | N/A |



| ISOPULEGOL | ND | N D | N/A |
|------------------------|----|-----|-----|
| GUAIOL | ND | ND | N/A |
| GERANIOL | ND | N D | N/A |
| Δ ³ -CARENE | ND | N D | N/A |
| TRANS-NEROLIDOL | ND | ND | N/A |

BCL-02: MOISTURE CONTENT BY GRAVIMETRY OCT 27, 2019



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------|--------------|----------|-----------|
| MOISTURE | | 7 % | N/A |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR OCT 28, 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 OCT 29, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|--------------|--------------|----------|----------|----------|-----------|
| AFLATOXIN B1 | 20 μg/kg | ND | 15 μg/kg | 20 μg/kg | PASS |
| AFLATOXIN B2 | 20 μg/kg | ND | 15 μg/kg | 20 μg/kg | PASS |
| AFLATOXIN G1 | 20 μg/kg | ND | 15 μg/kg | 20 μg/kg | PASS |
| AFLATOXIN G2 | 20 μg/kg | ND | 15 μg/kg | 20 μg/kg | PASS |
| AFLATOXINS | 20 μg/kg | ND | 15 μg/kg | 20 μg/kg | PASS |
| OCHRATOXIN A | 20 μg/kg | ND | 15 μg/kg | 20 μg/kg | PASS |

BCL-13: PESTICIDE TESTING BY GC/MS OCT 29, 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 OCT 29, 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 |



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

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

BCL-10: HEAVY METAL TESTING BY ICP-MS OCT 27, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|---------|--------------|------------|------------|------------|-----------|
| ARSENIC | 0.2 μg/g | < LOQ | 0.004 µg/g | 0.02 µg/g | PASS |
| CADMIUM | 0.2 μg/g | ND | 0.004 µg/g | 0.02 µg/g | PASS |
| LEAD | 0.5 μg/g | 0.022 μg/g | 0.004 µg/g | 0.02 μg/g | PASS |
| MERCURY | 0.1 μg/g | ND | 0.001 µg/g | 0.004 µg/g | PASS |



BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM OCT 27, 2019



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------------|--------------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.47 Aw | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY OCT 25, 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 % | N D | PASS |

