

CERTIFICATE OF ANALYSIS

PRODUCED: NOV 12, 2019

2019-10-16_STR_FL (FLOWER) // CLIENT: WALNUT LLC

BATCH RESULT: **PASS**

BATCH NO.: 2019-10-16_STR_FL
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-191108-010
COLLECTED ON: NOV 08, 2019
RECEIVED ON: NOV 08, 2019
BATCH SIZE: 13783 GRAMS
SAMPLE SIZE: 49 GRAMS

THCA 23.42 %

CBGA 0.52 %

TOTAL CANNABINOIDS 25.06 %



MOISTURE

MICROBIAL
PASSMYCOTOXINS
PASSPESTICIDES
PASS

TERPENOIDS



CANNABINOIDS

HEAVY METALS
PASSWATER ACTIVITY
PASSFOREIGN
MATERIALS
PASS

CULTIVATOR

WALNUT LLC
 3030 WALNUT STE 160
 LONG BEACH, CA 90807

LICENSE
 CCL19-0000600

TYPE
 MEDICINAL - CULTIVATOR LICENSE

DISTRIBUTOR

WALNUT LLC
 3030 WALNUT STE 160
 LONG BEACH, CA 90807

LICENSE
 C11-0001016-LIC

TYPE
 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

NOV 12, 2019




BCL-03: CANNABINOID POTENCY BY HPLC-UV

NOV 12, 2019

DRY-WEIGHT AMOUNTS SHOWN



| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | LOD | LOQ | PASS/FAIL |
|---|----------------|------------|---------------|------------|----------|-----------|
| CBC | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| CBCA | | 0.2347 % | 2.347 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBD | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| CBD A | | 0.07048 % | 0.7048 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 | | 0.19941 % | 1.9941 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBGA | | 0.52325 % | 5.2325 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 | | 0.48718 % | 4.8718 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| THCA | | 23.42485 % | 234.2485 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| THCV | | ND | ND | 0.025 mg/g | 0.1 mg/g | N/A |
| THCVA | | 0.12011 % | 1.2011 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| TOTAL THC (TOTAL THC = (THCA X 0.877) + THC) | | 21.03077 % | 210.3077 mg/g | | | N/A |
| TOTAL CBD (TOTAL CBD = (CBDA X 0.877) + CBD) | | 0.06181 % | 0.6181 mg/g | | | N/A |



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

NOV 11, 2019

| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | PASS/FAIL |
|------------------------|----------------|-----------|--------------|-----------|
| TOTAL TERPENES | | 2.52283 % | 25.2283 mg/g | N/A |
| β -CARYOPHYLLENE | | 0.87441 % | 8.7441 mg/g | N/A |
| D-LIMONENE | | 0.64654 % | 6.4654 mg/g | N/A |
| α -HUMULENE | | 0.32996 % | 3.2996 mg/g | N/A |
| β -PINENE | | 0.26519 % | 2.6519 mg/g | N/A |
| LINALOOL | | 0.21463 % | 2.1463 mg/g | N/A |
| β -MYRCENE | | 0.12253 % | 1.2253 mg/g | N/A |
| α -PINENE | | 0.06957 % | 0.6957 mg/g | N/A |
| 1,8-CINEOLE | | ND | ND | N/A |
| GERANIOL | | ND | ND | N/A |
| TERPINOLENE | | ND | ND | N/A |
| P-CYMENE | | ND | ND | N/A |
| ISOPULEGOL | | ND | ND | N/A |
| GUAJOL | | ND | ND | N/A |
| CIS-NEROLIDOL | | ND | ND | N/A |
| γ -TERPINENE | | ND | ND | N/A |
| Δ^3 -CARENE | | ND | ND | N/A |
| α -BISABOOL | | ND | ND | N/A |



| | | | |
|---------------------|----|----|-----|
| CAMPHERE | ND | ND | N/A |
| β -OCIMENE | ND | ND | N/A |
| α -TERPINENE | ND | ND | N/A |
| α -OCIMENE | ND | ND | N/A |
| TRANS-NEROLIDOL | ND | ND | N/A |

BCL-02: MOISTURE CONTENT BY GRAVIMETRY

NOV 09, 2019



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------|--------------|----------|-----------|
| MOISTURE | | 6.8 % | N/A |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR

NOV 11, 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

NOV 11, 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

NOV 10, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL | ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|--------------|--------------|----------|-----------|-----------|-----------|--------------------------|--------------|----------|-----------|-----------|-----------|
| CAPTAN | 0.7 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS | CYPERMETHRIN | 1 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 | DICHLORVOS | 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 | METHYL PARATHION | 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 | PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| CYFLUTHRIN | 2 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS | | | | | | |



BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI

NOV 11, 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 | 0.05 µg/g | PASS | IMIDACLOPRID | 5 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| ACEPHATE | 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 | 0.03 µg/g | 0.05 µg/g | PASS | PHOSMET | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| COUMAPHOS | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS | PIPERONYLBUTO-XIDE | 3 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| DAMINOZIDE | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS | PRALLETHRIN | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| DIAZINON | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS | PROPICONAZOLE | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| DIMETHOATE | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS | PROPOXUR | Any amount | ND | 0.03 µg/g | 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 | ND | 0.03 µg/g | 0.05 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 | 0.05 µg/g | PASS |
| FENHEXAMID | 0.1 µg/g | ND | 0.03 µg/g | 0.05 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 | 0.05 µg/g | PASS |
| FLONICAMID | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| FLUDIOXONIL | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| HEXYTHIAZOX | 0.1 µg/g | ND | 0.03 µg/g | 0.05 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 | 0.05 µg/g | PASS |
| SPINETORAM | 0.1 µg/g | ND | 0.03 µg/g | 0.05 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 | 0.05 µg/g | PASS |
| SPIROXAMINE | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| TEBUCONAZOLE | 0.1 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| THIACLOPRID | Any amount | ND | 0.03 µg/g | 0.05 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

NOV 11, 2019

| ANALYTE | ACTION LIMIT | DETECTED | LOD | LOQ | PASS/FAIL |
|----------------|--------------|----------|------------|------------|-----------|
| ARSENIC | 0.2 µg/g | ND | 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 | ND | 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

NOV 09, 2019



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------------|--------------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.5 Aw | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY

NOV 09, 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 |

