

CERTIFICATE OF ANALYSIS

PRODUCED: JAN 11, 2020

2019_12_17_ORG_FL (FLOWER) // CLIENT: WALNUT LLC

BATCH RESULT: **PASS**

BATCH NO.: 2019_12_17_ORG_FL
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-200108-003
COLLECTED ON: JAN 08, 2020
RECEIVED ON: JAN 08, 2020
BATCH SIZE: 10624 GRAMS
SAMPLE SIZE: 38 GRAMS

THCA 30.95 %

DELTA-9-THC 0.99 %

TOTAL CANNABINOIDS 33.51 %



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

JAN 11, 2020



BCL-03: CANNABINOID POTENCY BY HPLC-UV

JAN 10, 2020

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 | | 0.45763 % | 4.5763 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 | | 0.09793 % | 0.9793 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 | | 0.18576 % | 1.8576 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| CBGA | | 0.71935 % | 7.1935 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 | | 0.99483 % | 9.9483 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| THCA | | 30.94615 % | 309.4615 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 | | 0.10614 % | 1.0614 mg/g | 0.025 mg/g | 0.1 mg/g | N/A |
| TOTAL THC (TOTAL THC = (THCA X 0.877) + THC) | | 28.1346 % | 281.346 mg/g | | | N/A |
| TOTAL CBD (TOTAL CBD = (CBDA X 0.877) + CBD) | | 0.08588 % | 0.8588 mg/g | | | N/A |



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

JAN 10, 2020

| ANALYTE | LABELED AMOUNT | DETECTED | DETECTED | PASS/FAIL |
|------------------------|----------------|-----------|--------------|-----------|
| TOTAL TERPENES | | 2.18315 % | 21.8315 mg/g | N/A |
| D-LIMONENE | | 0.60447 % | 6.0447 mg/g | N/A |
| β-CARYOPHYLLENE | | 0.39587 % | 3.9587 mg/g | N/A |
| LINALOOL | | 0.23766 % | 2.3766 mg/g | N/A |
| α-HUMULENE | | 0.16818 % | 1.6818 mg/g | N/A |
| β-PINENE | | 0.5309 % | 5.309 mg/g | N/A |
| β-MYRCENE | | 0.0914 % | 0.914 mg/g | N/A |
| α-BISABOLOL | | 0.07436 % | 0.7436 mg/g | N/A |
| α-PINENE | | 0.0503 % | 0.503 mg/g | N/A |
| TRANS-NEROLIDOL | | 0.03001 % | 0.3001 mg/g | N/A |
| CAMPHERE | | ND | ND | N/A |
| CARYOPHYLLENE OXIDE | | ND | ND | N/A |
| CIS-NEROLIDOL | | ND | ND | N/A |
| α-TERPINENE | | ND | ND | N/A |
| Δ ³ -CARENE | | ND | ND | N/A |
| γ-TERPINENE | | ND | ND | N/A |
| GERANIOL | | ND | ND | N/A |
| GUAJOL | | ND | ND | N/A |



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

BCL-02: MOISTURE CONTENT BY GRAVIMETRY

JAN 08, 2020



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

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR

JAN 11, 2020



| 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

JAN 10, 2020

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

JAN 10, 2020

| 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 |



REGULATORY COMPLIANCE TESTING

| | | | | | |
|-----------------------------|------------|----|-----------|-----------|------|
| BIFENTHRIN | 3 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 |
| CARBARYL | 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 |
| CHLORANTRANIL-IPROLE | 10 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 |
| COUMAPHOS | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| DAMINOZIDE | Any amount | 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 |
| DIMETHOATE | 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 |
| 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 |

| | | | | | |
|---------------------------|------------|----|-----------|-----------|------|
| MYCLOBUTANIL | 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 |
| OXAMYL | 0.5 µg/g | ND | 0.03 µg/g | 0.05 µg/g | PASS |
| PACLOBUTRAZOL | Any amount | 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 |
| PHOSMET | 0.1 µg/g | 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 |
| PRALLETHRIN | 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 |
| PROPOXUR | Any amount | 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 |
| 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 |



| | | | | | |
|----------|------------|----|--------------|--------------|------|
| IMAZALIL | Any amount | ND | 0.03 µg/g | 0.05 µg/g | PASS |
|----------|------------|----|--------------|--------------|------|

BCL-13: PESTICIDE TESTING BY GC/MS

JAN 11, 2020

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-10: HEAVY METAL TESTING BY ICP-MS

JAN 10, 2020

ANALYTE ACTION LIMIT DETECTED LOD LOQ PASS/FAIL

ARSENIC 0.2 µg/g < LOQ 0.0006 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 0.0045 µg/g 0.09 µg/g PASS

MERCURY 0.1 µg/g < LOQ 0.001 µg/g 0.04 µg/g PASS



BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM

JAN 08, 2020



| ANALYTE | ACTION LIMIT | DETECTED | PASS/FAIL |
|----------------|--------------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.55 Aw | PASS |

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY

JAN 08, 2020



| 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 |

