

## CERTIFICATE OF ANALYSIS

PRODUCED: APR 23, 2020

SAMPLE: 2020\_04\_07\_OZK\_PR (PRE-ROLL) // CLIENT: WALNUT LLC // BATCH: PASS



BATCH NO.: 2020\_04\_07\_OZK\_PR  
 MATRIX: PRE-ROLL  
 CATEGORY: INHALABLE  
 SAMPLE ID: BCL-200421-005  
 COLLECTED ON: APR 21, 2020  
 RECEIVED ON: APR 21, 2020  
 BATCH SIZE: 2392 UNITS  
 SAMPLE SIZE: 13 UNITS  
 PACKAGE SIZE: 1 G

## CANNABINOID OVERVIEW

|                     |            |
|---------------------|------------|
| TOTAL THC:          | 22.19129 % |
| TOTAL CBD:          | 0.04135 %  |
| TOTAL CANNABINOIDS: | 27.63632 % |

## 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 22, 2020

| ANALYTE                 | AMOUNT     | AMOUNT        | LOD/LOQ (mg/g) | PASS/FAIL |
|-------------------------|------------|---------------|----------------|-----------|
| CBC                     | 0.08798 %  | 0.8798 mg/g   | 0.025/0.1      | N/A       |
| CBCA                    | 0.46765 %  | 4.6765 mg/g   | 0.025/0.1      | N/A       |
| CBD                     | ND         | ND            | 0.025/0.1      | N/A       |
| CBDA                    | 0.04715 %  | 0.4715 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                     | 0.30288 %  | 3.0288 mg/g   | 0.025/0.1      | N/A       |
| CBGA                    | 2.05703 %  | 20.5703 mg/g  | 0.025/0.1      | N/A       |
| CBN                     | 0.02807 %  | 0.2807 mg/g   | 0.025/0.1      | N/A       |
| Δ <sup>8</sup> -THC     | ND         | ND            | 0.025/0.1      | N/A       |
| Δ <sup>9</sup> -THC     | 5.19835 %  | 51.9835 mg/g  | 0.025/0.1      | N/A       |
| THCA                    | 19.37621 % | 193.7621 mg/g | 0.025/0.1      | N/A       |
| THCV                    | ND         | ND            | 0.025/0.1      | N/A       |
| THCVA                   | 0.071 %    | 0.71 mg/g     | 0.025/0.1      | N/A       |
| TOTAL THC **            | 22.19129 % | 221.9129 mg/g |                | N/A       |
| TOTAL CBD **            | 0.04135 %  | 0.4135 mg/g   |                | N/A       |
| CBD/PKG                 | ND         |               |                | N/A       |
| Δ <sup>9</sup> -THC/PKG | 51.98 mg   |               |                | PASS      |
| TOTAL CBD/PKG **        | 0.41 mg    |               |                | N/A       |
| TOTAL THC/PKG **        | 221.91 mg  |               |                | 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 23, 2020

| ANALYTE                | AMOUNT    | AMOUNT       | PASS/FAIL |
|------------------------|-----------|--------------|-----------|
| TOTAL TERPENES         | 1.47756 % | 14.7756 mg/g | N/A       |
| α-HUMULENE             | 0.27816 % | 2.7816 mg/g  | N/A       |
| LINALOOL               | 0.17282 % | 1.7282 mg/g  | N/A       |
| D-LIMONENE             | 0.11726 % | 1.1726 mg/g  | N/A       |
| α-BISABOOL             | 0.10349 % | 1.0349 mg/g  | N/A       |
| β-CARYOPHYLLENE        | 0.6797 %  | 6.797 mg/g   | N/A       |
| CARYOPHYLLENE OXIDE    | 0.08417 % | 0.8417 mg/g  | N/A       |
| β-MYRCENE              | 0.04196 % | 0.4196 mg/g  | N/A       |
| EUCALYPTOL             | ND        | ND           | N/A       |
| TERPINOLENE            | ND        | ND           | N/A       |
| P-CYMENTHENE           | ND        | ND           | N/A       |
| ISOPULEGOL             | ND        | ND           | N/A       |
| GUAIOL                 | ND        | ND           | N/A       |
| γ-TERPINENE            | ND        | ND           | N/A       |
| CIS-NEROLIDOL          | ND        | ND           | N/A       |
| Δ <sup>3</sup> -CARENE | ND        | ND           | N/A       |
| CAMPHERE               | ND        | ND           | N/A       |
| β-PINENE               | ND        | ND           | N/A       |
| β-OCIMENE              | ND        | ND           | N/A       |
| α-TERPINENE            | ND        | ND           | N/A       |
| α-PINENE               | 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 23, 2020




## BCL-13: PESTICIDE TESTING BY GC/MS // APR 22, 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 |
|--------------------------|------------|---------------|----------------|-----------|
| DICHLORVOS               | Any amount | ND            | 0.03/0.05      | PASS      |
| METHYL PARATHION         | Any amount | ND            | 0.03/0.05      | PASS      |
| PENTACHLORONI-TROBENZENE | 0.1 µg/g   | ND            | 0.03/0.05      | PASS      |

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 22, 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      |
| 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      |

| 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-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // APR 22, 2020

| ANALYTE            | LIMIT     | AMOUNT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------|-----------|---------------|----------------|-----------|
| 1,2-DICHLOROETHANE | 1 µg/g    | ND            | 0.1/0.47       | PASS      |
| ACETONE            | 5000 µg/g | ND            | 0.0094/30      | PASS      |
| ACETONITRILE       | 410 µg/g  | < LOQ         | 0.1/30         | PASS      |
| BENZENE            | 1 µg/g    | ND            | 0.12/0.46      | PASS      |
| BUTANE             | 5000 µg/g | ND            | 0.0075/41      | PASS      |
| CHLOROFORM         | 1 µg/g    | ND            | 0.058/0.48     | PASS      |
| ETHANOL            | 5000 µg/g | ND            | 0.3/26         | PASS      |
| ETHYL ACETATE      | 5000 µg/g | ND            | 0.01/30        | PASS      |
| ETHYLENE OXIDE     | 1 µg/g    | ND            | 0.021/0.42     | PASS      |
| ETHYL ETHER        | 5000 µg/g | ND            | 0.0087/33      | PASS      |
| HEPTANE            | 5000 µg/g | ND            | 0.0047/31      | PASS      |
| HEXANE             | 290 µg/g  | ND            | 0.0042/34      | PASS      |
| ISOPROPYL ALCOHOL  | 5000 µg/g | < LOQ         | 0.08/31        | PASS      |
| METHANOL           | 3000 µg/g | ND            | 1.7/27         | PASS      |
| METHYLENE CHLORIDE | 1 µg/g    | ND            | 0.026/0.39     | PASS      |
| PENTANE            | 5000 µg/g | ND            | 0.0033/32      | PASS      |
| PROPANE            | 5000 µg/g | ND            | 0.09/47.4      | PASS      |
| TOLUENE            | 890 µg/g  | ND            | 0.016/32       | PASS      |
| TRICHLOROETHYLENE  | 1 µg/g    | ND            | 0.05/0.45      | PASS      |
| O-XYLENE           |           | ND            | 0.032/22       | N/A       |
| P- AND M-XYLENE    |           | ND            | 0.032/22       | N/A       |
| TOTAL XYLENES      | 2170 µg/g | ND            | 0.064/45       | PASS      |

## BCL-020: HEAVY METAL TESTING BY ICP-MS // APR 22, 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 21, 2020

| ANALYTE  | LIMIT | AMOUNT (%) | PASS/FAIL |
|----------|-------|------------|-----------|
| MOISTURE |       | 8.4        | N/A       |

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 21, 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-06: MICROBIOLOGICAL ANALYSIS BY QPCR // APR 23, 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 22, 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 21, 2020

| ANALYTE        | LIMIT   | AMOUNT (Aw) | PASS/FAIL |
|----------------|---------|-------------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.56        | PASS      |

