

CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A CALIFORNIA COMPLIANCE CERTIFICATE.

PRODUCED: DEC 10, 2020

SAMPLE: NORTHERN LIGHTS (FLOWER) // CLIENT: KEVIN WRIGHT // BATCH: PASS



MATRIX: FLOWER
 CATEGORY: INHALABLE
 SAMPLE ID: BCL-201204-020
 COLLECTED ON: DEC 04, 2020
 RECEIVED ON: DEC 04, 2020
 BATCH SIZE: 12 GRAMS
 SAMPLE SIZE: 12 GRAMS

CANNABINOID OVERVIEW

| | |
|---------------------|------------|
| TOTAL THC: | 27.3901 % |
| TOTAL CBD: | 0.07346 % |
| TOTAL CANNABINOIDS: | 33.44297 % |



BCL-03: CANNABINOID POTENCY BY HPLC-UV // DEC 09, 2020

| ANALYTE | LIMIT | AMT | AMT | LOD/LOQ (mg/g) | PASS/FAIL |
|---------------------|------------|---------------|-----------------|-----------------|-----------|
| CBC | | ND | ND | 0.00985/0.22389 | N/A |
| CBCA | 0.26489 % | 2.6489 mg/g | 0.02821/0.22389 | | N/A |
| CBD | | ND | ND | 0.01388/0.22389 | N/A |
| CBDA | 0.08376 % | 0.8376 mg/g | 0.00716/0.22389 | | N/A |
| CBDV | 0.06817 % | 0.6817 mg/g | 0.01075/0.22389 | | N/A |
| CBDVA | | ND | ND | 0.00716/0.22389 | N/A |
| CBG | 0.06311 % | 0.6311 mg/g | 0.01299/0.22389 | | N/A |
| CBGA | 1.34165 % | 13.4165 mg/g | 0.00896/0.22389 | | N/A |
| CBN | | ND | ND | 0.00716/0.22389 | N/A |
| Δ ⁸ -THC | | ND | ND | 0.02597/0.22389 | N/A |
| Δ ⁹ -THC | 0.56809 % | 5.6809 mg/g | 0.01881/0.22389 | | N/A |
| THCA | 30.58382 % | 305.8382 mg/g | 0.01343/0.22389 | | N/A |
| THCV | | ND | ND | 0.01478/0.22389 | N/A |
| THCVA | 0.46948 % | 4.6948 mg/g | 0.0103/0.22389 | | N/A |
| TOTAL THC ** | 27.39010 % | 273.9010 mg/g | | | N/A |
| TOTAL CBD ** | 0.07346 % | 0.7346 mg/g | | | 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 // DEC 08, 2020

| ANALYTE | AMT | AMT | LOD/LOQ (µg/g) | PASS/FAIL |
|------------------------|-----------|--------------|----------------|-----------|
| TOTAL TERPENES | 1.80448 % | 18.0448 mg/g | | N/A |
| TERPINOLENE | 0.63324 % | 6.3324 mg/g | 0.2/91 | N/A |
| β-CARYOPHYLLENE | 0.28039 % | 2.8039 mg/g | 0.2/91 | N/A |
| β-OCIMENE | 0.19258 % | 1.9258 mg/g | 0.2/63 | N/A |
| β-MYRCENE | 0.16066 % | 1.6066 mg/g | 0.2/91 | N/A |
| α-HUMULENE | 0.11565 % | 1.1565 mg/g | 0.2/91 | N/A |
| D-LIMONENE | 0.09982 % | 0.9982 mg/g | 0.2/91 | N/A |
| β-PINENE | 0.09412 % | 0.9412 mg/g | 0.2/91 | N/A |
| α-PINENE | 0.08006 % | 0.8006 mg/g | 0.2/91 | N/A |
| α-BISABOLOL | 0.05600 % | 0.5600 mg/g | 0.3/91 | N/A |
| α-TERPINENE | 0.04646 % | 0.4646 mg/g | 0.2/91 | N/A |
| Δ ³ -CARENE | 0.04550 % | 0.4550 mg/g | 0.2/91 | N/A |
| CAMPHENE | ND | ND | 0.2/91 | N/A |
| CIS-NEROLIDOL | ND | ND | 0.2/35 | N/A |
| EUCALYPTOL | ND | ND | 0.2/91 | N/A |
| γ-TERPINENE | ND | ND | 0.2/91 | N/A |
| GERANIOL | ND | ND | 0.3/91 | N/A |
| GUAIOL | ND | ND | 0.2/91 | N/A |
| ISOPULEGOL | ND | ND | 0.2/91 | N/A |
| LINALOOL | ND | ND | 0.2/91 | N/A |
| P-CYMENE | ND | ND | 0.2/91 | N/A |
| α-OCIMENE | ND | ND | 0.4/28 | N/A |
| TRANS-NEROLIDOL | ND | ND | 0.2/55 | N/A |

RESULTS CERTIFIED BY: RON BROOKS, M.S.
 LABORATORY DIRECTOR, BELCOSTA LABS
 DEC 10, 2020



BCL-13: PESTICIDE TESTING BY GC/MS // DEC 09, 2020

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|-----------------|----------|------------|-----------------|-----------|
| CAPTAN | 0.7 µg/g | ND | 0.00463/0.06 | PASS |
| CHLORDANE | Any amt | ND | | PASS |
| CHLORDANE CIS | | ND | 0.0012/0.00744 | N/A |
| CHLORDANE TRANS | | ND | 0.00085/0.00798 | N/A |
| CHLORFENAPYR | Any amt | ND | 0.01863/0.06 | PASS |

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------------|----------|------------|----------------|-----------|
| CHLORPYRIFOS | Any amt | ND | 0.0087/0.06 | PASS |
| DICHLORVOS | Any amt | ND | 0.00168/0.06 | PASS |
| METHYL PARATHION | Any amt | ND | 0.00135/0.06 | PASS |
| PENTACHLORONI-TROBENZENE | 0.1 µg/g | ND | 0.0107/0.06 | PASS |

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // DEC 09, 2020

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|----------------------|----------|------------|-----------------|-----------|
| ABAMECTIN | 0.1 µg/g | ND | 0.00015/0.00776 | PASS |
| ACEPHATE | 0.1 µg/g | ND | 0.00086/0.008 | PASS |
| ACEQUINOCYL | 0.1 µg/g | ND | 0.00083/0.008 | PASS |
| ACETAMIPRID | 0.1 µg/g | ND | 0.00007/0.008 | PASS |
| ALDICARB | Any amt | ND | 0.00025/0.04 | PASS |
| AZOXYSTROBIN | 0.1 µg/g | ND | 0.00032/0.008 | PASS |
| BIFENAZATE | 0.1 µg/g | ND | 0.00011/0.008 | PASS |
| BIFENTHRIN | 3 µg/g | ND | 0.0003/0.04 | PASS |
| BOSCALID | 0.1 µg/g | ND | 0.00034/0.008 | PASS |
| CARBARYL | 0.5 µg/g | ND | 0.00018/0.008 | PASS |
| CARBOFURAN | Any amt | ND | 0.0004/0.008 | PASS |
| CHLORANTRANIL-IPROLE | 10 µg/g | ND | 0.00009/0.008 | PASS |
| CLOFENTEZINE | 0.1 µg/g | ND | 0.00013/0.04 | PASS |
| COUMAPHOS | Any amt | ND | 0.0004/0.008 | PASS |
| CYFLUTHRIN | 2 µg/g | ND | 0.00802/0.1 | PASS |
| CYPERMETHRIN | 1 µg/g | ND | 0.00254/0.04 | PASS |
| DAMINOZIDE | Any amt | ND | 0.00119/0.04 | PASS |
| DIAZINON | 0.1 µg/g | ND | 0.00015/0.008 | PASS |
| DIMETHOATE | Any amt | ND | 0.00005/0.008 | PASS |
| DIMETHOMORPH | 2 µg/g | ND | | PASS |
| DIMETHOMORPH I | | ND | 0.00011/0.00312 | N/A |
| DIMETHOMORPH II | | ND | 0.00016/0.00488 | N/A |
| ETHOPROPHOS | Any amt | ND | 0.00034/0.008 | PASS |
| ETOFENPROX | Any amt | ND | 0.00022/0.008 | PASS |
| ETOXAZOLE | 0.1 µg/g | ND | 0.00006/0.008 | PASS |
| FENHEXAMID | 0.1 µg/g | ND | 0.00042/0.008 | PASS |
| FENOXYCARB | Any amt | ND | 0.0004/0.02 | PASS |
| FENPYROXIMATE | 0.1 µg/g | ND | 0.00015/0.008 | PASS |
| FIPRONIL | Any amt | ND | 0.00008/0.02 | PASS |
| FLONICAMID | 0.1 µg/g | ND | 0.00011/0.008 | PASS |
| FLUDIOXONIL | 0.1 µg/g | ND | 0.00011/0.02 | PASS |
| HEXYTHIAZOX | 0.1 µg/g | ND | 0.00015/0.008 | PASS |
| IMAZALIL | Any amt | ND | 0.0006/0.008 | PASS |
| IMIDACLOPRID | 5 µg/g | ND | 0.00016/0.008 | PASS |
| KRESOXIM-METHYL | 0.1 µg/g | ND | 0.00025/0.008 | PASS |

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|--------------------|----------|------------|-----------------|-----------|
| MALATHION | 0.5 µg/g | ND | 0.00026/0.008 | PASS |
| METALAXYL | 2 µg/g | ND | 0.00021/0.008 | PASS |
| METHIOCARB | Any amt | ND | 0.00043/0.02 | PASS |
| METHOMYL | 1 µg/g | ND | 0.00025/0.008 | PASS |
| MEVINPHOS | Any amt | ND | | PASS |
| MEVINPHOS I | | ND | 0.00025/0.0042 | N/A |
| MEVINPHOS II | | ND | 0.00079/0.0158 | N/A |
| MYCLOBUTANIL | 0.1 µg/g | ND | 0.00042/0.008 | PASS |
| NALED | 0.1 µg/g | ND | 0.00017/0.008 | PASS |
| OXAMYL | 0.5 µg/g | ND | 0.00031/0.008 | PASS |
| PACLOBUTRAZOL | Any amt | ND | 0.00034/0.008 | PASS |
| PERMETHRIN | 0.5 µg/g | ND | | PASS |
| PERMETHRIN CIS | | ND | 0.00071/0.00328 | N/A |
| PERMETHRIN TRANS | | ND | 0.00093/0.0118 | N/A |
| PHOSMET | 0.1 µg/g | ND | 0.00014/0.008 | PASS |
| PIPERONYLBUTO-XIDE | 3 µg/g | ND | 0.0002/0.008 | PASS |
| PRALLETHRIN | 0.1 µg/g | ND | 0.00096/0.008 | PASS |
| PROPICONAZOLE | 0.1 µg/g | ND | 0.00028/0.008 | PASS |
| PROPOXUR | Any amt | ND | 0.00036/0.008 | PASS |
| PYRETHRINS | 0.5 µg/g | ND | 0.0002/0.02 | PASS |
| PYRIDABEN | 0.1 µg/g | ND | 0.00017/0.008 | PASS |
| SPINETORAM | 0.1 µg/g | ND | | PASS |
| SPINETORAM J | | ND | 0.00008/0.016 | N/A |
| SPINETORAM L | | ND | 0.00002/0.0016 | N/A |
| SPINOSAD | 0.1 µg/g | ND | | PASS |
| SPINOSAD A | | ND | 0.00007/0.0144 | N/A |
| SPINOSAD D | | ND | 0.00004/0.002 | N/A |
| SPIROMESIFEN | 0.1 µg/g | ND | 0.00027/0.008 | PASS |
| SPIROTETRAMAT | 0.1 µg/g | ND | 0.00015/0.008 | PASS |
| SPIROXAMINE | Any amt | ND | 0.00018/0.008 | PASS |
| TEBUCONAZOLE | 0.1 µg/g | ND | 0.00021/0.008 | PASS |
| THIACLOPRID | Any amt | ND | 0.00009/0.008 | PASS |
| THIAMETHOXAM | 5 µg/g | ND | 0.00013/0.008 | PASS |
| TRIFLOXYSTROB-IN | 0.1 µg/g | ND | 0.00005/0.008 | PASS |



BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // DEC 04, 2020

| ANALYTE | LIMIT | AMT (%) | 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-020: HEAVY METAL TESTING BY ICP-MS // DEC 08, 2020

| ANALYTE | LIMIT | AMT (µg/g) | LOD/LOQ (µg/g) | PASS/FAIL |
|---------|----------|------------|----------------|-----------|
| ARSENIC | 0.2 µg/g | 0.074 | 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 // DEC 08, 2020

| ANALYTE | LIMIT | AMT (%) | PASS/FAIL |
|----------|-------|---------|-----------|
| MOISTURE | | 13.50 | N/A |

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // DEC 06, 2020

| ANALYTE | LIMIT | AMT (CFU) | PASS/FAIL |
|-----------------------|-------------------|-----------|-----------|
| ASPERGILLUS FLAVUS | Any amt in 1 gram | ND | PASS |
| ASPERGILLUS FUMIGATUS | Any amt in 1 gram | ND | PASS |
| ASPERGILLUS NIGER | Any amt in 1 gram | ND | PASS |
| ASPERGILLUS TERREUS | Any amt in 1 gram | ND | PASS |
| ESCHERICHIA COLI | Any amt in 1 gram | ND | PASS |
| SALMONELLA SPP. | Any amt in 1 gram | ND | PASS |

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // DEC 09, 2020

| ANALYTE | LIMIT | AMT (µg/kg) | LOD/LOQ (µg/kg) | PASS/FAIL |
|--------------|----------|-------------|-----------------|-----------|
| AFLATOXIN B1 | | ND | 0.23/4 | N/A |
| AFLATOXIN B2 | | ND | 0.181/4 | N/A |
| AFLATOXIN G1 | | ND | 0.155/4 | N/A |
| AFLATOXIN G2 | | ND | 0.934/4 | N/A |
| AFLATOXINS | 20 µg/kg | ND | | PASS |
| OCHRATOXIN A | 20 µg/kg | ND | 0.385/4 | PASS |

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // DEC 08, 2020

| ANALYTE | LIMIT | AMT (Aw) | PASS/FAIL |
|----------------|---------|----------|-----------|
| WATER ACTIVITY | 0.65 Aw | 0.52 | PASS |

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