

CERTIFICATE OF ANALYSIS

PRODUCED: FEB 03, 2020

SAMPLE: 2020_01_08_BLU (FLOWER) // CLIENT: WALNUT LLC // BATCH: PASS



BATCH NO.: 2020_01_08_BLU
 MATRIX: FLOWER
 CATEGORY: INHALABLE
 SAMPLE ID: BCL-200129-001
 COLLECTED ON: JAN 29, 2020
 RECEIVED ON: JAN 29, 2020
 BATCH SIZE: 10510 GRAMS
 SAMPLE SIZE: 38 GRAMS

CANNABINOID OVERVIEW

TOTAL THC:	26.77162 %
TOTAL CBD:	0.07827 %
TOTAL CANNABINOIDS:	32.28206 %

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 // JAN 30, 2020

ANALYTE	AMOUNT	AMOUNT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.03566 %	0.3566 mg/g	0.025/0.1	N/A
CBCA	0.3057 %	3.057 mg/g	0.025/0.1	N/A
CBD	ND	ND	0.025/0.1	N/A
CBDA	0.08925 %	0.8925 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	0.17164 %	1.7164 mg/g	0.025/0.1	N/A
CBGA	1.16527 %	11.6527 mg/g	0.025/0.1	N/A
CBN	ND	ND	0.025/0.1	N/A
Δ ⁸ -THC	ND	ND	0.025/0.1	N/A
Δ ⁹ -THC	0.93458 %	9.3458 mg/g	0.025/0.1	N/A
THCA	29.4607 %	294.607 mg/g	0.025/0.1	N/A
THCV	ND	ND	0.025/0.1	N/A
THCVA	0.11926 %	1.1926 mg/g	0.025/0.1	N/A
TOTAL THC **	26.77162 %	267.7162 mg/g	N/A	N/A
TOTAL CBD **	0.07827 %	0.7827 mg/g	N/A	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 // JAN 30, 2020

ANALYTE	AMOUNT	AMOUNT	PASS/FAIL
TOTAL TERPENES	2.39778 %	23.9778 mg/g	N/A
β-MYRCENE	0.88356 %	8.8356 mg/g	N/A
β-CARYOPHYLLENE	0.65546 %	6.5546 mg/g	N/A
α-HUMULENE	0.18708 %	1.8708 mg/g	N/A
GUAIOL	0.12092 %	1.2092 mg/g	N/A
LINALOOL	0.11848 %	1.1848 mg/g	N/A
α-BISABOLOL	0.1401 %	1.401 mg/g	N/A
β-OCIMENE	0.08588 %	0.8588 mg/g	N/A
D-LIMONENE	0.07488 %	0.7488 mg/g	N/A
TRANS-NEROLIDOL	0.05546 %	0.5546 mg/g	N/A
β-PINENE	0.04536 %	0.4536 mg/g	N/A
CIS-NEROLIDOL	0.0306 %	0.306 mg/g	N/A
CAMPHERE	ND	ND	N/A
CARYOPHYLLENE OXIDE	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
α-PINENE	ND	ND	N/A
ISOPULEGOL	ND	ND	N/A
α-OCIMENE	ND	ND	N/A
P-CYMENTHENE	ND	ND	N/A
TERPINOLENE	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
 FEB 03, 2020




BCL-13: PESTICIDE TESTING BY GC/MS // JAN 31, 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
CYFLUTHRIN	2 µg/g	ND	0.03/0.05	PASS

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CYPERMETHRIN	1 µg/g	ND	0.03/0.05	PASS
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 // FEB 03, 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-I PROLE	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
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
ETOFENPROX	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
IMAZALIL	Any amount	ND	0.03/0.05	PASS

ANALYTE	LIMIT	AMOUNT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
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
PIPERONYLBUTO-XIDE	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
TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.03/0.05	PASS



BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JAN 29, 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-020: HEAVY METAL TESTING BY ICP-MS // JAN 31, 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 // JAN 29, 2020

ANALYTE	LIMIT	AMOUNT (%)	PASS/FAIL
MOISTURE		7.8	N/A

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // FEB 01, 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 // FEB 03, 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 // JAN 29, 2020

ANALYTE	LIMIT	AMOUNT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.51	PASS

