

BELCOSTA LABS // 1131 E. SOUTH STREET LONG BEACH CA 90805 // PH: (562) 676-4206

CA LICENSE #: C8-0000008-LIC

CERTIFICATE OF ANALYSIS

PRODUCED: OCT 29, 2019

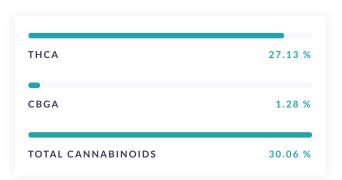
2019_10_07_BLU_FL (FLOWER) // CLIENT: WALNUT LLC

BATCH RESULT: PASS



BATCH NO.: 2019_10_07_BLU_FL

MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-191025-026
COLLECTED ON: OCT 25, 2019
RECEIVED ON: OCT 25, 2019
BATCH SIZE: 8951 GRAMS
SAMPLE SIZE: 32 GRAMS







PASS



PASS



PASS











CANNABINOIDS

PASS PASS

MATERIALS PASS

CULTIVATOR

WALNUT LLC 3030 WALNUT STE 160 LONG BEACH, CA 90807

LICENSE CCI 19-0000600

TYPE
MEDICINAL - CULTIVATOR LICENSE

DISTRIBUTOR

WALNUT LLC 3030 WALNUT STE 160 LONG BEACH, CA 90807

LICENSE C11-0001016-LIC

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

OCT 29 2019

BCL-03: CANNABINOID POTENCY BY HPLC-UV OCT 27, 2019

DRY-WEIGHT AMOUNTS SHOWN



ANALYTE	LABELED AMOUNT	DETECTED	DETECTED	LOD	LOQ	PASS/FAIL
СВС		0.02075 %	0.2075 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBCA		0.35654 %	3.5654 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
CBDA		0.09338 %	0.9338 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		0.20106 %	2.0106 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBGA		1.28451 %	12.8451 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		0.85022 %	8.5022 mg/g	0.025 mg/g	0.1 mg/g	N/A
ТНСА		27.13297 %	271.3297 mg/g	0.025 mg/g	0.1 mg/g	N/A
тнсv		ND	ND	0.025 mg/g	0.1 mg/g	N/A
THCVA		0.12498 %	1.2498 mg/g	0.025 mg/g	0.1 mg/g	N/A
TOTAL THC (TOTAL THC = (THCA X 0.87	7) + THC)	24.64584 %	246.4584 mg/g			N/A
TOTAL CBD (TOTAL CBD = (CBDA X 0.87	(7) + CBD)	0.0819 %	0.819 mg/g			N/A



BCL-09: TERPENOID TESTING BY HS-GC/FID OCT 28, 2019

ANALYTE	LABELED AMOUNT	DETECTED	DETECTED	PASS/FAIL
TOTAL TERPENES		4.29977 %	42.9977 mg/g	N/A
β-PINENE		1.91201 %	19.1201 mg/g	N/A
β-CARYOPHYLLENE		1.24015 %	12.4015 mg/g	N/A
α-H U M U L E N E		0.34458 %	3.4458 mg/g	N/A
β-OCIMENE		0.21874 %	2.1874 mg/g	N/A
LINALOOL		0.21351 %	2.1351 mg/g	N/A
D-LIMONENE		0.18805 %	1.8805 mg/g	N/A
GUAIOL		0.13186 %	1.3186 mg/g	N/A
β-MYRCENE		0.05087 %	0.5087 mg/g	N/A
1,8-CINEOLE		ND	ND	N/A
P-CYMENE		ND	ND	N/A
y-TERPINENE		ND	ND	N/A
CIS-NEROLIDOL		ND	ND	N/A
α-PINENE		N D	ND	N/A
α-TERPINENE		ND	ND	N/A
CAMPHENE		ND	ND	N/A
α-O C I M E N E		ND	ND	N/A
α-BISABOLOL		ND	ND	N/A



TERPINOLENE	ND	ND	N/A
ISOPULEGOL	ND	N D	N/A
GERANIOL	ND	ND	N/A
Δ^3 -CARENE	ND	ND	N/A
TRANS-NEROLIDOL	N D	ND	N/A

BCL-02: MOISTURE CONTENT BY GRAVIMETRY OCT 27, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
MOISTURE		6.3 %	N/A

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR OCT 28, 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 OCT 29, 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 OCT 29, 2019

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-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI OCT 29, 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		0.05 μg/g	PASS	PHOSMET	0.1 μg/g	ND	0.03 µg/g		PASS
COUMAPHOS	Any amount	ND		0.05 μg/g	PASS	PIPERONYLBUTO- XIDE	3 µg/g	ND		0.05 μg/g	PASS
DAMINOZIDE	Any amount	ND		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		0.05 μg/g	PASS	PROPICONAZOLE	0.1 μg/g	ND		0.05 μg/g	PASS
DIMETHOATE	Any amount	ND		0.05 μg/g	PASS	PROPOXUR	Any amount	ND		0.05 μg/g	PASS
DIMETHOMORPH	2 μg/g	ND		0.05 μg/g	PASS	PYRETHRINS	0.5 µg/g	ND		0.05 μg/g	PASS



ETHOPROPHOS	Any amount	ND	0.03 µg/g	0.05 μg/g	PASS
ETOFENPROX	Any amount	ΝD	0.03 µg/g		PASS
ETOXAZOLE	0.1 µg/g	ΝD	0.03 µg/g	0.05 μg/g	PASS
FENHEXAMID	0.1 µg/g	ΝD		0.05 μg/g	PASS
FENOXYCARB	Any amount	ΝD	0.03 µg/g		PASS
FENPYROXIMATE	0.1 µg/g	ND		0.05 μg/g	PASS
FIPRONIL	Any amount	ND		0.05 μg/g	PASS
FLONICAMID	0.1 µg/g	ND	0.03 µg/g		PASS
FLUDIOXONIL	0.1 µg/g	ND	0.03 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		PASS

PYRIDABEN	0.1 μg/g	ND	0.03 µg/g		PASS
SPINETORAM	0.1 µg/g	ND	0.03 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		PASS
SPIROTETRAMAT	0.1 μg/g	ND	0.03 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		PASS
THIACLOPRID	Any amount	ND	0.03 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 OCT 28, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
ARSENIC	0.2 μg/g	< LOQ	0.004 µg/g	0.02 μg/g	PASS
CADMIUM	0.2 µg/g	< LOQ	0.004 µg/g	0.02 µg/g	PASS
LEAD	0.5 µg/g	< LOQ	0.004 μg/g	0.02 μg/g	PASS
MERCURY	0.1 µg/g	< LOQ	0.001 μg/g	0.004 µg/g	PASS



BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM OCT 27, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.46 Aw	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY OCT 25, 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 %	N D	PASS

