

# CERTIFICATE OF ANALYSIS

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

PRODUCED: DEC 10, 2019

ZOOKIES (FLOWER) // CLIENT: DESERT GREEN GARDENS GROUP

BATCH RESULT: **PASS**



**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-191204-058  
**COLLECTED ON:** DEC 04, 2019  
**RECEIVED ON:** DEC 04, 2019  
**BATCH SIZE:** 12 GRAMS  
**SAMPLE SIZE:** 12 GRAMS

THCA 24.24 %

CBGA 0.54 %

TOTAL CANNABINOIDS 25.68 %



MOISTURE



MICROBIAL  
PASS



MYCOTOXINS  
PASS



PESTICIDES  
PASS



CANNABINOIDS



HEAVY METALS  
PASS



WATER ACTIVITY  
PASS



FOREIGN  
MATERIALS  
PASS

RESULTS CERTIFIED BY: RON BROOKS, M.S.

SCIENTIFIC DIRECTOR, BELCOSTA LABS

DEC 10, 2019



## BCL-03: CANNABINOID POTENCY BY HPLC-UV

DEC 06, 2019

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		0.27855 %	2.7855 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		0.04779 %	0.4779 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		0.06698 %	0.6698 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBGA		0.53887 %	5.3887 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
$\Delta^8$ -THC		ND	ND	0.025 mg/g	0.1 mg/g	N/A
$\Delta^9$ -THC		0.3539 %	3.539 mg/g	0.025 mg/g	0.1 mg/g	N/A
THCA		24.24127 %	242.4127 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		0.15149 %	1.5149 mg/g	0.025 mg/g	0.1 mg/g	N/A
<b>TOTAL THC</b> (TOTAL THC = (THCA X 0.877) + THC)		21.61349 %	216.1349 mg/g			N/A
<b>TOTAL CBD</b> (TOTAL CBD = (CBDA X 0.877) + CBD)		0.04191 %	0.4191 mg/g			N/A



BCL-02: MOISTURE CONTENT BY GRAVIMETRY  
DEC 05, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
MOISTURE		7.9 %	N/A

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR  
DEC 07, 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  
DEC 07, 2019

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



<b>AFLATOXIN G2</b>		ND	1.585 µg/kg	4.804 µg/kg	N/A
<b>AFLATOXINS</b>	20 µg/kg	ND	6.303 µg/kg	19.1 µg/kg	PASS
<b>OCHRATOXIN A</b>	20 µg/kg	ND	3.312 µg/kg	10.037 µg/kg	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI

DEC 07, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
<b>ABAMECTIN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ACEPHATE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ACEQUINOCYL</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ACETAMIPRID</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ALDICARB</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>AZOXYSTROBIN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>BIFENAZATE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>BIFENTHRIN</b>	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>BOSCALID</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CARBARYL</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CARBOFURAN</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CHLORANTRANIL-IPROLE</b>	10 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CLOFENTEZINE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>COUMAPHOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
<b>IMIDACLOPRID</b>	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>KRESOXIM-METHYL</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>MALATHION</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>METALAXYL</b>	2 µg/g	0.0724 µg/g	0.03 µg/g	0.05 µg/g	PASS
<b>METHIOCARB</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>METHOMYL</b>	1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>MEVINPHOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>MYCLOBUTANIL</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>NALED</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>OXAMYL</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PACLOBUTRAZOL</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PERMETHRIN</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PHOSMET</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PIPERONYLBUTO-XIDE</b>	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS



<b>DAMINOZIDE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DIAZINON</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DIMETHOATE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DIMETHOMORPH</b>	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ETHOPROPHOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>ETOXAZOLE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FENHEXAMID</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FENPYROXIMATE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FIPRONIL</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FLONICAMID</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>FLUDIOXONIL</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>HEXYTHIAZOX</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>IMAZALIL</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS

<b>PRALLETHRIN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PROPICONAZOLE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PROPOXUR</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PYRETHRINS</b>	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PYRIDABEN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPINETORAM</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPINOSAD</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPIROMESIFEN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPIROTETRAMAT</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>SPIROXAMINE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>TEBUCONAZOLE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>THIACLOPRID</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>THIAMETHOXAM</b>	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>TRIFLOXYSTROB-IN</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

## BCL-13: PESTICIDE TESTING BY GC/MS

DEC 07, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
<b>CAPTAN</b>	0.7 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CHLORDANE</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
<b>CYPERMETHRIN</b>	1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
<b>DICHLORVOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS



<b>CHLORFENAPYR</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CHLORPYRIFOS</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>CYFLUTHRIN</b>	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

<b>METHYL PARATHION</b>	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
<b>PENTACHLORONI- TROBENZENE</b>	0.1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

## BCL-10: HEAVY METAL TESTING BY ICP-MS

DEC 06, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
<b>ARSENIC</b>	0.2 µg/g	0.024 µg/g	0.004 µg/g	0.02 µg/g	PASS
<b>CADMIUM</b>	0.2 µg/g	ND	0.004 µg/g	0.02 µg/g	PASS
<b>LEAD</b>	0.5 µg/g	< LOQ	0.004 µg/g	0.02 µg/g	PASS
<b>MERCURY</b>	0.1 µg/g	0.004 µg/g	0.001 µg/g	0.004 µg/g	PASS

## BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM

DEC 05, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
<b>WATER ACTIVITY</b>	0.65 Aw	0.55 Aw	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY

DEC 05, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
<b>CINDERS</b>	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

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