

CERTIFICATE OF ANALYSIS

PRODUCED: DEC 16, 2019

MLCBD1811219 (CONCENTRATE) // CLIENT: APOLLO CULTIVATION MANAGEMENT, LLC

BATCH RESULT: **PASS**

BATCH NO.: MLCBD1811219
MATRIX: CONCENTRATE
DENSITY: 940 mg/ml
CATEGORY: OTHER
SAMPLE ID: BCL-191211-048
COLLECTED ON: DEC 11, 2019
RECEIVED ON: DEC 11, 2019
BATCH SIZE: 1129 UNITS
SAMPLE SIZE: 8 UNITS

CBD 9.67 MG/SRV

DELTA-9-THC 0.54 MG/SRV

TOTAL CANNABINOIDS 10.88 MG/SRV



MANUFACTURER

APOLLO CULTIVATION MANAGEMENT LLC
 9299 CASSIA ROAD
 ADELANTO, CA 92301

LICENSE
 CDPH-10003057

TYPE
 MEDICINAL - MANUFACTURING LICENSE

DISTRIBUTOR

APOLLO CULTIVATION MANAGEMENT, LLC
 9299 CASSIA ROAD
 ADELANTO, CA 92301

LICENSE
 C11-0001066-LIC

TYPE
 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

DEC 16, 2019




BCL-03: CANNABINOID POTENCY BY HPLC-UV
 DEC 14, 2019



ANALYTE	LABELED AMOUNT	DETECTED	DETECTED	LOD	LOQ	PASS/FAIL
CBC		0.05103 %	0.5103 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBCA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBD		1.02908 %	10.2908 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBDA		< LOQ	< LOQ	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		0.01956 %	0.1956 mg/g	0.025 mg/g	0.1 mg/g	N/A
CBGA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
CBN		< LOQ	< LOQ	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		0.05782 %	0.5782 mg/g	0.025 mg/g	0.1 mg/g	N/A
THCA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
THCV		ND	ND	0.025 mg/g	0.1 mg/g	N/A
THCVA		ND	ND	0.025 mg/g	0.1 mg/g	N/A
TOTAL THC <i>(TOTAL THC = (THCA X 0.877) + THC)</i>		0.05782 %	0.5782 mg/g			N/A
TOTAL CBD <i>(TOTAL CBD = (CBDA X 0.877) + CBD)</i>		1.02908 %	10.2908 mg/g			N/A
CBD PER SERVING <i>SERVING: 940 MILLIGRAMS</i>		9.67 Milligrams				N/A
Δ^9-THC PER SERVING <i>SERVING: 940 MILLIGRAMS</i>		0.54 Milligrams				N/A



TOTAL THC PER SERVING <i>SERVING: 940 MILLIGRAMS</i>	0.54 Milligrams	N/A
CBD PER PACKAGE <i>PACKAGE: 14100 MILLIGRAMS</i>	145.10 Milligrams	N/A
Δ⁹-THC PER PACKAGE <i>PACKAGE: 14100 MILLIGRAMS</i>	8.15 Milligrams	PASS
TOTAL THC PER PACKAGE <i>PACKAGE: 14100 MILLIGRAMS</i>	8.15 Milligrams	N/A

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR
DEC 14, 2019



ANALYTE	ACTION LIMIT	DETECTED	PASS/FAIL
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 14, 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
AFLATOXIN G2		ND	1.585 µg/kg	4.804 µg/kg	N/A
AFLATOXINS	20 µg/kg	ND	6.303 µg/kg	19.1 µg/kg	PASS
OCHRATOXIN A	20 µg/kg	ND	3.312 µg/kg	10.037 µg/kg	PASS



BCL-13: PESTICIDE TESTING BY GC/MS
DEC 13, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
CAPTAN	5 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	1 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	0.2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI
DEC 14, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
ABAMECTIN	0.3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ACEPHATE	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ACEQUINOCYL	4 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ACETAMIPRID	5 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
AZOXYSTROBIN	40 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
BIFENAZATE	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
BIFENTHRIN	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
IMIDACLOPRID	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
KRESOXIM-METHYL	1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
MALATHION	5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
METALAXYL	15 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
METHIOCARB	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
METHOMYL	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
MYCLOBUTANIL	9 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS



REGULATORY COMPLIANCE TESTING

BOSCALID	10 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
CARBOFURAN	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
CHLORANTRANIL-IPROLE	40 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
CLOFENTEZINE	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
COUMAPHOS	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
DAMINOZIDE	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
DIAZINON	0.2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
DIMETHOATE	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
DIMETHOMORPH	20 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
ETHOPROPHOS	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
ETOFENPROX	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
ETOXAZOLE	1.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
FENHEXAMID	10 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
FENOXYCARB	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
FENPYROXIMATE	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
FIPRONIL	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
FLONICAMID	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
FLUDIOXONIL	30 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
HEXYTHIAZOX	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
IMAZALIL	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS

NALED	0.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
OXAMYL	0.2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PACLOBUTRAZOL	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
PERMETHRIN	20 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PHOSMET	0.2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PIPERONYLBUTO-XIDE	8 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PRALLETHRIN	0.4 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PROPICONAZOLE	20 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PROPOXUR	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
PYRETHRINS	1 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
PYRIDABEN	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
SPINETORAM	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
SPINOSAD	3 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
SPIROMESIFEN	12 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
SPIROTETRAMAT	13 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
SPIROXAMINE	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
TEBUCONAZOLE	2 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
THIACLOPRID	Any amount	ND	0.03 µg/g	0.05 µg/g	PASS
THIAMETHOXAM	4.5 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS
TRIFLOXYSTROB-IN	30 µg/g	ND	0.03 µg/g	0.05 µg/g	PASS



BCL-10: HEAVY METAL TESTING BY ICP-MS
DEC 13, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
ARSENIC	1.5 µg/g	< LOQ	0.0002 µg/g	0.04 µg/g	PASS
CADMIUM	0.5 µg/g	< LOQ	0.0001 µg/g	0.04 µg/g	PASS
LEAD	0.5 µg/g	0.071 µg/g	0.0005 µg/g	0.05 µg/g	PASS
MERCURY	3 µg/g	< LOQ	0.0006 µg/g	0.04 µg/g	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY
DEC 12, 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 %	ND	PASS



BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS
 DEC 14, 2019

ANALYTE	ACTION LIMIT	DETECTED	LOD	LOQ	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.1 µg/g	0.47 µg/g	PASS
ACETONE	5000 µg/g	< LOQ	0.0094 µg/g	30 µg/g	PASS
ACETONITRILE	410 µg/g	< LOQ	0.1 µg/g	30 µg/g	PASS
BENZENE	1 µg/g	ND	0.12 µg/g	0.46 µg/g	PASS
BUTANE	5000 µg/g	ND	0.0075 µg/g	41 µg/g	PASS
CHLOROFORM	1 µg/g	ND	0.058 µg/g	0.48 µg/g	PASS
ETHANOL	5000 µg/g	< LOQ	0.3 µg/g	26 µg/g	PASS
ETHYL ACETATE	5000 µg/g	ND	0.01 µg/g	30 µg/g	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.021 µg/g	0.42 µg/g	PASS
ETHYL ETHER	5000 µg/g	ND	0.0087 µg/g	33 µg/g	PASS
HEPTANE	5000 µg/g	ND	0.0047 µg/g	31 µg/g	PASS
HEXANE	290 µg/g	ND	0.0042 µg/g	34 µg/g	PASS
ISOPROPYL ALCOHOL	5000 µg/g	148.591 µg/g	0.08 µg/g	31 µg/g	PASS
METHANOL	3000 µg/g	ND	1.7 µg/g	27 µg/g	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.026 µg/g	0.39 µg/g	PASS
PENTANE	5000 µg/g	ND	0.0033 µg/g	32 µg/g	PASS
PROPANE	5000 µg/g	ND	0.09 µg/g	47.4 µg/g	PASS
TOLUENE	890 µg/g	ND	0.016 µg/g	32 µg/g	PASS



REGULATORY COMPLIANCE TESTING

TRICHLOROETHY- LENE	1 µg/g	ND	0.05 µg/g	0.45 µg/g	PASS
O-XYLENE		ND	0.032 µg/g	22 µg/g	N/A
P- AND M-XYLENE		ND	0.032 µg/g	22 µg/g	N/A
TOTAL XYLENES	2170 µg/g	ND	0.064 µg/g	45 µg/g	PASS

