

CERTIFICATE OF ANALYSIS

PRODUCED: MAR 23, 2022

SAMPLE: BERRY FIRE (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS
NON-INFUSED PRE-ROLL



BATCH NO.: GHFBF0309PR
METRC UID: 1A406030000A423000005010
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220318-191
COLLECTED ON: MAR 18, 2022
RECEIVED ON: MAR 18, 2022
BATCH/SAMPLE SIZE: 892 UNITS / 12 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	21.9698 %
TOTAL CBD:	0.07233 %
SUM OF CANNABINOIDS:	27.09768 %

CULTIVATOR INFO

CULTIVATOR
MISSION HEALTH ASSOCIATES, INC
5601 CASITAS PASS RD
CARPINTERIA, CA 93013

LICENSE
CCL18-0003034
ADULT-USE - CULTIVATOR LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
ALKHEMIST DM LLC
2211 DAMON STREET
LOS ANGELES, CA 9002

LICENSE
C11-0001456-LIC
ADULT-USE - DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // MAR 21, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.02569 %	0.2569 mg/g	0.01011/0.22978	N/A
CBCA	0.94246 %	9.4246 mg/g	0.02895/0.22978	N/A
CBD	ND	ND	0.01425/0.22978	N/A
CBDA	0.08248 %	0.8248 mg/g	0.00735/0.22978	N/A
CBDV	ND	ND	0.01103/0.22978	N/A
CBDVA	0.04014 %	0.4014 mg/g	0.00735/0.22978	N/A
CBG	0.12654 %	1.2654 mg/g	0.01333/0.22978	N/A
CBGA	0.80559 %	8.0559 mg/g	0.00919/0.22978	N/A
CBN	ND	ND	0.00735/0.22978	N/A
Δ ⁸ -THC	ND	ND	0.02665/0.22978	N/A
Δ ⁹ -THC	0.98237 %	9.8237 mg/g	0.0193/0.22978	N/A
THCA	23.93094 %	239.3094 mg/g	0.01379/0.22978	N/A
THCV	ND	ND	0.01517/0.22978	N/A
THCVA	0.16147 %	1.6147 mg/g	0.01057/0.22978	N/A
TOT THC **	21.96980 %	219.6980 mg/g		N/A
TOT CBD **	0.07233 %	0.7233 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	9.82 mg			N/A
TOT CBD/PKG **	0.72 mg			N/A
TOT THC/PKG **	219.70 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // MAR 21, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.88979 %	8.8979 mg/g		N/A
β-MYRCENE	0.44755 %	4.4755 mg/g	0.00033/0.1214	N/A
β-CARYOPHYLLENE	0.19598 %	1.9598 mg/g	0.00167/0.1214	N/A
LINALOOL	0.08947 %	0.8947 mg/g	0.00032/0.1214	N/A
D-LIMONENE	0.06991 %	0.6991 mg/g	0.00022/0.1214	N/A
α-HUMULENE	0.05389 %	0.5389 mg/g	0.00041/0.1214	N/A
α-BISABOLOL	0.01713 %	0.1713 mg/g	0.00379/0.1214	N/A
β-PINENE	0.01586 %	0.1586 mg/g	0.00197/0.1214	N/A
α-PINENE	< LOQ	< LOQ	0.00019/0.1214	N/A
EUCALYPTOL	< LOQ	< LOQ	0.00041/0.1214	N/A
α-TERPINENE	ND	ND	0.00026/0.1214	N/A
β-OCIMENE	ND	ND	0.00043/0.08377	N/A
CAMPHENE	ND	ND	0.00019/0.1214	N/A
Δ ³ -CARENE	ND	ND	0.0004/0.1214	N/A
γ-TERPINENE	ND	ND	0.00041/0.1214	N/A
GERANIOL	ND	ND	0.00025/0.1214	N/A
GUAIOL	ND	ND	0.00237/0.1214	N/A
ISOPULEGOL	ND	ND	0.00047/0.1214	N/A
α-OCIMENE	ND	ND	0.00117/0.03763	N/A
P-CYMENE	ND	ND	0.00024/0.1214	N/A
TERPINOLENE	ND	ND	0.00026/0.1214	N/A

** TOTAL CBD = (CBDA X 0.877) + CBD
** TOTAL THC = (THCA X 0.877) + THC
DRY-WEIGHT AMOUNTS SHOWN



SAMPLE WAS TESTED AS RECEIVED. ALL LQC SAMPLES REQUIRED BY SECTION 15730 OF CALIFORNIA CODE OF REGULATIONS TITLE 4 DIVISION 19 DEPARTMENT OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.
SCIENCE DIRECTOR, BELCOSTA LABS
MAR 23, 2022

BCL-13: PESTICIDE TESTING BY GC/MS // MAR 22, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03098/0.09383	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01096/0.03322	N/A
CHLORDANE TRANS		ND	0.01048/0.03169	N/A
CHLORFENAPYR	Any amt	ND	0.02362/0.07151	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01102/0.03346	PASS
DICHLORVOS	Any amt	ND	0.0116/0.03517	PASS
METHYL PARATHION	Any amt	ND	0.01331/0.04035	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01384/0.042	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // MAR 22, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01153/0.04	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A
DIMETHOMORPH II		ND	0.0015/0.0122	N/A
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
METHIOCARB	Any amt	ND	0.00503/0.02	PASS
METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.00163/0.0084	N/A
MEVINPHOS II		ND	0.00542/0.0316	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
NALED	0.1 µg/g	ND	0.00328/0.02	PASS
OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00237/0.0082	N/A
PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
PIPERONYLBUTO-XIDE	3 µg/g	ND	0.00247/0.02	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
PROPOXUR	Any amt	ND	0.00374/0.02	PASS
PYRETHRINS	0.5 µg/g	ND		PASS
PYRETHRINS PYRETHRIN I		ND	0.00726/0.04	N/A
PYRETHRINS PYRETHRIN II		ND	0.00754/0.02284	N/A
PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00329/0.016	N/A
SPINETORAM L		ND	0.00157/0.016	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00205/0.01438	N/A
SPINOSAD D		ND	0.00104/0.00498	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.00421/0.02	PASS



MALATHION 0.5 µg/g ND 0.00472/0.02 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // MAR 21, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.13778/0.48062	PASS
ACETONE	5000 µg/g	ND	15.50785/48.06152	PASS
ACETONITRILE	410 µg/g	ND	13.76161/48.06152	PASS
BENZENE	1 µg/g	ND	0.06088/0.48062	PASS
BUTANE	5000 µg/g	ND	14.51137/48.06152	PASS
CHLOROFORM	1 µg/g	ND	0.14098/0.48062	PASS
ETHANOL	5000 µg/g	ND	11.89683/48.06152	PASS
ETHYL ACETATE	5000 µg/g	ND	14.6908/48.06152	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.1538/0.48062	PASS
ETHYL ETHER	5000 µg/g	ND	12.94136/48.06152	PASS
HEPTANE	5000 µg/g	ND	11.32329/48.06152	PASS
HEXANE	290 µg/g	ND	17.43351/80.10253	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	12.01538/48.06152	PASS
METHANOL	3000 µg/g	ND	10.77539/48.06152	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.12176/0.48062	PASS
PENTANE	5000 µg/g	ND	26.49792/80.10253	PASS
PROPANE	5000 µg/g	ND	13.69112/48.06152	PASS
TOLUENE	890 µg/g	ND	7.56488/48.06152	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.06408/0.48062	PASS
O-XYLENE		ND	3.58219/24.03076	N/A
P- AND M-XYLENE		ND	3.31945/24.03076	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // MAR 22, 2022

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 // MAR 21, 2022

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

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // MAR 19, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
IMBEDDED FOREIGN MATERIAL	25 %	ND	PASS
INSECT FRAGMENTS, HAIR, MAMMAL EXCREMENT	1 Unit	ND	PASS
MOLD	25 %	ND	PASS
SAND, SOIL, CINDERS, DIRT	25 %	ND	PASS

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // MAR 20, 2022

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-020: HEAVY METAL TESTING BY ICP-MS // MAR 20, 2022

ANALYTE	LIMIT	AMT (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 // MAR 19, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		7.50	N/A

