

CERTIFICATE OF ANALYSIS

PRODUCED: MAR 23, 2022

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



BATCH NO.: GHFHLF0309PR
METRC UID: 1A406030000A423000005012
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220318-193
COLLECTED ON: MAR 18, 2022
RECEIVED ON: MAR 18, 2022
BATCH/SAMPLE SIZE: 1320 UNITS / 13 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	21.80128 %
TOTAL CBD:	0.06419 %
SUM OF CANNABINOIDS:	27.94182 %

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	ND	ND	0.01003/0.22798	N/A
CBCA	1.03752 %	10.3752 mg/g	0.02873/0.22798	N/A
CBD	ND	ND	0.01413/0.22798	N/A
CBDA	0.07319 %	0.7319 mg/g	0.0073/0.22798	N/A
CBDV	ND	ND	0.01094/0.22798	N/A
CBDVA	0.04856 %	0.4856 mg/g	0.0073/0.22798	N/A
CBG	0.14510 %	1.4510 mg/g	0.01322/0.22798	N/A
CBGA	1.74069 %	17.4069 mg/g	0.00912/0.22798	N/A
CBN	ND	ND	0.0073/0.22798	N/A
Δ ⁸ -THC	ND	ND	0.02645/0.22798	N/A
Δ ⁹ -THC	0.74861 %	7.4861 mg/g	0.01915/0.22798	N/A
THCA	24.00533 %	240.0533 mg/g	0.01368/0.22798	N/A
THCV	ND	ND	0.01505/0.22798	N/A
THCVA	0.14282 %	1.4282 mg/g	0.01049/0.22798	N/A
TOT THC **	21.80128 %	218.0128 mg/g		N/A
TOT CBD **	0.06419 %	0.6419 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	7.49 mg			N/A
TOT CBD/PKG **	0.64 mg			N/A
TOT THC/PKG **	218.01 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	0.94332 %	9.4332 mg/g		N/A
β-CARYOPHYLLENE	0.47445 %	4.7445 mg/g	0.0017/0.1242	N/A
D-LIMONENE	0.14149 %	1.4149 mg/g	0.00022/0.1242	N/A
α-HUMULENE	0.14026 %	1.4026 mg/g	0.00042/0.1242	N/A
LINALOOL	0.07579 %	0.7579 mg/g	0.00033/0.1242	N/A
α-BISABOLOL	0.04438 %	0.4438 mg/g	0.00387/0.1242	N/A
β-MYRCENE	0.03163 %	0.3163 mg/g	0.00034/0.1242	N/A
β-PINENE	0.02232 %	0.2232 mg/g	0.00201/0.1242	N/A
α-PINENE	0.01300 %	0.1300 mg/g	0.00019/0.1242	N/A
CAMPHENE	< LOQ	< LOQ	0.00019/0.1242	N/A
TERPINOLENE	< LOQ	< LOQ	0.00026/0.1242	N/A
α-TERPINENE	ND	ND	0.00027/0.1242	N/A
β-OCIMENE	ND	ND	0.00044/0.0857	N/A
Δ ³ -CARENE	ND	ND	0.00041/0.1242	N/A
EUCALYPTOL	ND	ND	0.00042/0.1242	N/A
γ-TERPINENE	ND	ND	0.00042/0.1242	N/A
GERANIOL	ND	ND	0.00026/0.1242	N/A
GUAIOL	ND	ND	0.00243/0.1242	N/A
ISOPULEGOL	ND	ND	0.00048/0.1242	N/A
α-OCIMENE	ND	ND	0.0012/0.0385	N/A
P-CYMENE	ND	ND	0.00024/0.1242	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	0.03112/0.09426	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01101/0.03337	N/A
CHLORDANE TRANS		ND	0.01053/0.03183	N/A
CHLORFENAPYR	Any amt	ND	0.02373/0.07183	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01107/0.03361	PASS
DICHLORVOS	Any amt	ND	0.01166/0.03533	PASS
METHYL PARATHION	Any amt	ND	0.01337/0.04053	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01391/0.04219	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	0.15457/0.53918	PASS
ACETONE	5000 µg/g	ND	17.39756/53.91804	PASS
ACETONITRILE	410 µg/g	ND	15.43853/53.91804	PASS
BENZENE	1 µg/g	ND	0.0683/0.53918	PASS
BUTANE	5000 µg/g	ND	16.27965/53.91804	PASS
CHLOROFORM	1 µg/g	ND	0.15816/0.53918	PASS
ETHANOL	5000 µg/g	ND	13.34651/53.91804	PASS
ETHYL ACETATE	5000 µg/g	ND	16.48095/53.91804	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.17254/0.53918	PASS
ETHYL ETHER	5000 µg/g	ND	14.51833/53.91804	PASS
HEPTANE	5000 µg/g	ND	12.70309/53.91804	PASS
HEXANE	290 µg/g	ND	19.55787/89.86341	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	13.47951/53.91804	PASS
METHANOL	3000 µg/g	ND	12.08843/53.91804	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.13659/0.53918	PASS
PENTANE	5000 µg/g	ND	29.72682/89.86341	PASS
PROPANE	5000 µg/g	ND	15.35945/53.91804	PASS
TOLUENE	890 µg/g	ND	8.4867/53.91804	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07189/0.53918	PASS
O-XYLENE		ND	4.01869/26.95902	N/A
P- AND M-XYLENE		ND	3.72394/26.95902	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	0.53	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	0.102	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		7.80	N/A

