

CERTIFICATE OF ANALYSIS

PRODUCED: AUG 29, 2021

SAMPLE: FIRE OG (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFFOG0820PR
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-210825-043
COLLECTED ON: AUG 25, 2021
RECEIVED ON: AUG 25, 2021
BATCH/SAMPLE SIZE: 3600 U / 20 U
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	28.64847 %
TOTAL CBD:	0.06276 %
TOTAL CANNABINOIDS:	33.97663 %

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
 1370 ESPERANZA ST, SUITE B
 LOS ANGELES, CA 90023

LICENSE
 C11-0000751-LIC
 ADULT-USE AND MEDICINAL -
 DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // AUG 27, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.03199 %	0.3199 mg/g	0.00989/0.22486	N/A
CBCA	0.17999 %	1.7999 mg/g	0.02833/0.22486	N/A
CBD	ND	ND	0.01394/0.22486	N/A
CBDA	0.07156 %	0.7156 mg/g	0.0072/0.22486	N/A
CBDV	ND	ND	0.01079/0.22486	N/A
CBDVA	ND	ND	0.0072/0.22486	N/A
CBG	0.11348 %	1.1348 mg/g	0.01304/0.22486	N/A
CBGA	1.03189 %	10.3189 mg/g	0.00899/0.22486	N/A
CBN	ND	ND	0.0072/0.22486	N/A
Δ ⁸ -THC	0.04235 %	0.4235 mg/g	0.02608/0.22486	N/A
Δ ⁹ -THC	2.31099 %	23.1099 mg/g	0.01889/0.22486	N/A
THCA	30.03133 %	300.3133 mg/g	0.01349/0.22486	N/A
THCV	ND	ND	0.01484/0.22486	N/A
THCVA	0.16305 %	1.6305 mg/g	0.01034/0.22486	N/A
TOT THC **	28.64847 %	286.4847 mg/g		N/A
TOT CBD **	0.06276 %	0.6276 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	23.11 mg			N/A
TOT CBD/PKG **	0.63 mg			N/A
TOT THC/PKG **	286.48 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // AUG 27, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	1.15235 %	11.5235 mg/g		N/A
β-CARYOPHYLLENE	0.31365 %	3.1365 mg/g	1.81429/132.25014	N/A
β-MYRCENE	0.26401 %	2.6401 mg/g	0.35948/132.25014	N/A
D-LIMONENE	0.21786 %	2.1786 mg/g	0.23683/132.25014	N/A
LINALOOL	0.14193 %	1.4193 mg/g	0.35053/132.25014	N/A
α-HUMULENE	0.11490 %	1.1490 mg/g	0.44347/132.25014	N/A
α-BISABOLOL	0.04299 %	0.4299 mg/g	4.12385/132.25014	N/A
β-PINENE	0.03806 %	0.3806 mg/g	2.14101/132.25014	N/A
α-PINENE	0.01895 %	0.1895 mg/g	0.20418/132.25014	N/A
CAMPHENE	< LOQ	< LOQ	0.20538/132.25014	N/A
TERPINOLENE	< LOQ	< LOQ	0.2797/132.25014	N/A
α-TERPINENE	ND	ND	0.28446/132.25014	N/A
β-OCIMENE	ND	ND	0.47346/91.2526	N/A
Δ ³ -CARENE	ND	ND	0.43587/132.25014	N/A
EUCALYPTOL	ND	ND	0.4428/132.25014	N/A
γ-TERPINENE	ND	ND	0.44638/132.25014	N/A
GERANIOL	ND	ND	0.27557/132.25014	N/A
GUAIOL	ND	ND	2.58361/132.25014	N/A
ISOPULEGOL	ND	ND	0.51583/132.25014	N/A
α-OCIMENE	ND	ND	1.27684/40.99754	N/A
P-CYMENE	ND	ND	0.25773/132.25014	N/A

** TOTAL THC = (THCA X 0.877) + THC
 ** TOTAL CBD = (CBDA X 0.877) + CBD
 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.
 LABORATORY DIRECTOR, BELCOSTA LABS
 AUG 29, 2021



BCL-13: PESTICIDE TESTING BY GC/MS // AUG 28, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.01977/0.06	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01199/0.03	N/A
CHLORDANE TRANS		ND	0.01082/0.03	N/A
CHLORFENAPYR	Any amt	ND	0.01364/0.06	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01653/0.06	PASS
DICHLORVOS	Any amt	ND	0.01165/0.06	PASS
METHYL PARATHION	Any amt	ND	0.00851/0.06	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01282/0.06	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // AUG 28, 2021

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
MALATHION	0.5 µg/g	ND	0.00472/0.02	PASS
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
PIPERONYLBUTOXIDE	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	0.00726/0.04	PASS
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
TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00421/0.02	PASS



BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // AUG 27, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16375/0.57121	PASS
ACETONE	5000 µg/g	ND	18.43107/57.1211	PASS
ACETONITRILE	410 µg/g	ND	16.35567/57.1211	PASS
BENZENE	1 µg/g	ND	0.07235/0.57121	PASS
BUTANE	5000 µg/g	ND	17.24676/57.1211	PASS
CHLOROFORM	1 µg/g	ND	0.16756/0.57121	PASS
ETHANOL	5000 µg/g	ND	14.13938/57.1211	PASS
ETHYL ACETATE	5000 µg/g	ND	17.46002/57.1211	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18279/0.57121	PASS
ETHYL ETHER	5000 µg/g	ND	15.38081/57.1211	PASS
HEPTANE	5000 µg/g	ND	13.45773/57.1211	PASS
HEXANE	290 µg/g	ND	20.71973/95.20183	PASS
ISOPROPYL ALCOHOL	5000 µg/g	79.675	14.28027/57.1211	PASS
METHANOL	3000 µg/g	ND	12.80655/57.1211	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14471/0.57121	PASS
PENTANE	5000 µg/g	ND	31.49276/95.20183	PASS
PROPANE	5000 µg/g	ND	16.2719/57.1211	PASS
TOLUENE	890 µg/g	ND	8.99086/57.1211	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07616/0.57121	PASS
O-XYLENE		ND	4.25743/28.56055	N/A
P- AND M-XYLENE		ND	3.94516/28.56055	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // AUG 28, 2021

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 // AUG 27, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.55	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // AUG 26, 2021

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 // AUG 27, 2021

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 // AUG 27, 2021

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 // AUG 27, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		12.70	N/A

