

CERTIFICATE OF ANALYSIS

PRODUCED: AUG 17, 2021

SAMPLE: FIRE OG (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFFOG0812SMB
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-210812-058
COLLECTED ON: AUG 12, 2021
RECEIVED ON: AUG 12, 2021
BATCH/SAMPLE SIZE: 9706 G / 34 G

CANNABINOID OVERVIEW

TOTAL THC:	27.04585 %
TOTAL CBD:	0.05387 %
TOTAL CANNABINOIDS:	32.10917 %

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 14, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.01061/0.24117	N/A
CBCA	0.14336 %	1.4336 mg/g	0.03039/0.24117	N/A
CBD	ND	ND	0.01495/0.24117	N/A
CBDA	0.06143 %	0.6143 mg/g	0.00772/0.24117	N/A
CBDV	ND	ND	0.01158/0.24117	N/A
CBDVA	ND	ND	0.00772/0.24117	N/A
CBG	0.09076 %	0.9076 mg/g	0.01399/0.24117	N/A
CBGA	1.04328 %	10.4328 mg/g	0.00965/0.24117	N/A
CBN	ND	ND	0.00772/0.24117	N/A
Δ ⁸ -THC	0.04975 %	0.4975 mg/g	0.02798/0.24117	N/A
Δ ⁹ -THC	1.96488 %	19.6488 mg/g	0.02026/0.24117	N/A
THCA	28.59860 %	285.9860 mg/g	0.01447/0.24117	N/A
THCV	ND	ND	0.01592/0.24117	N/A
THCVA	0.15711 %	1.5711 mg/g	0.01109/0.24117	N/A
TOT THC **	27.04585 %	270.4585 mg/g		N/A
TOT CBD **	0.05387 %	0.5387 mg/g		N/A

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

BCL-09: TERPENOID TESTING BY HS-GC/FID // AUG 14, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	1.88951 %	18.8951 mg/g		N/A
β-MYRCENE	0.58732 %	5.8732 mg/g	0.34112/125.49301	N/A
D-LIMONENE	0.44506 %	4.4506 mg/g	0.22473/125.49301	N/A
β-CARYOPHYLLENE	0.35520 %	3.5520 mg/g	1.72159/125.49301	N/A
LINALOOL	0.19140 %	1.9140 mg/g	0.33262/125.49301	N/A
α-HUMULENE	0.12520 %	1.2520 mg/g	0.42082/125.49301	N/A
β-PINENE	0.07838 %	0.7838 mg/g	2.03162/125.49301	N/A
α-PINENE	0.04145 %	0.4145 mg/g	0.19375/125.49301	N/A
α-BISABOLOL	0.03770 %	0.3770 mg/g	3.91315/125.49301	N/A
CAMPHENE	0.01460 %	0.1460 mg/g	0.19489/125.49301	N/A
GERANIOL	0.01320 %	0.1320 mg/g	0.26149/125.49301	N/A
TERPINOLENE	< LOQ	< LOQ	0.26541/125.49301	N/A
β-OCIMENE	ND	ND	0.44926/86.59018	N/A
α-TERPINENE	ND	ND	0.26992/125.49301	N/A
Δ ³ -CARENE	ND	ND	0.4136/125.49301	N/A
EUCALYPTOL	ND	ND	0.42018/125.49301	N/A
γ-TERPINENE	ND	ND	0.42358/125.49301	N/A
GUAIOL	ND	ND	2.45161/125.49301	N/A
ISOPULEGOL	ND	ND	0.48947/125.49301	N/A
α-OCIMENE	ND	ND	1.2116/38.90283	N/A
P-CYMENE	ND	ND	0.24456/125.49301	N/A

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.
 LABORATORY DIRECTOR, BELCOSTA LABS
 AUG 17, 2021

SAMPLE WAS TESTED AS RECEIVED. 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.



BCL-13: PESTICIDE TESTING BY GC/MS // AUG 14, 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 14, 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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // AUG 12, 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-020: HEAVY METAL TESTING BY ICP-MS // AUG 13, 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	0.087	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // AUG 13, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.53	PASS

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // AUG 17, 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-11: MYCOTOXIN TESTING BY LC-MS/MS // AUG 14, 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-02: MOISTURE CONTENT BY GRAVIMETRY // AUG 13, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		13.70	N/A

