

CERTIFICATE OF ANALYSIS

PRODUCED: NOV 12, 2024

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



BATCH NO.: GHFFRE1104MP
METRC UID: 1A4060300036B66000011615
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-241108-043
COLLECTED ON: NOV 08, 2024
RECEIVED ON: NOV 08, 2024
BATCH/SAMPLE SIZE: 806 UNITS / 8 UNITS
PACKAGE SIZE: 3.5 G

CANNABINOID OVERVIEW

TOTAL THC:	22.1667 %
TOTAL CBD:	0.08448 %
TOTAL CANNABINOIDS ^{††} :	23.51210 %
SUM OF CANNABINOIDS [†] :	26.25051 %

MANUFACTURER INFO

MANUFACTURER
ALKHEMIST DM LLC
2211 DAMON STREET
LOS ANGELES, CA 90021

LICENSE
CDPH-10004691
ADULT-USE AND MEDICINAL -
MANUFACTURING LICENSE

DISTRIBUTOR INFO

DISTRIBUTOR
ALKHEMIST DM LLC
2211 DAMON STREET
LOS ANGELES, CA 90021

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



BCL-28: DETERMINATION OF CANNABINOIDS CONCENTRATION BY HPLC FOR DRIED FLOWER INCLUDING NON-INFUSED PRE-ROLLS // NOV 11, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.0044/0.09995	N/A
CBCA	0.13430 %	1.3430 mg/g	0.01259/0.09995	N/A
CBD	ND	ND	0.0062/0.09995	N/A
CBDA	0.09633 %	0.9633 mg/g	0.0032/0.09995	N/A
CBDV	ND	ND	0.0048/0.09995	N/A
CBDVA	ND	ND	0.0032/0.09995	N/A
CBG	0.17434 %	1.7434 mg/g	0.0058/0.09995	N/A
CBGA	0.89511 %	8.9511 mg/g	0.004/0.09995	N/A
CBN	0.01982 %	0.1982 mg/g	0.0032/0.09995	N/A
Δ ⁸ -THC	ND	ND	0.01159/0.09995	N/A
Δ ⁹ -THC	3.76118 %	37.6118 mg/g	0.0084/0.09995	N/A
THCA	20.98691 %	209.8691 mg/g	0.11994/1.999	N/A
THCV	0.03166 %	0.3166 mg/g	0.0066/0.09995	N/A
THCVA	0.15086 %	1.5086 mg/g	0.0046/0.09995	N/A
TOT THC ^{**}	22.16670 %	221.6670 mg/g		N/A
TOT CBD ^{**}	0.08448 %	0.8448 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	131.64 mg			N/A
TOT THC/PKG ^{**}	775.83 mg			N/A
TOT CBD/PKG ^{**}	2.96 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // NOV 11, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.95482 %	9.5482 mg/g		N/A
β-CARYOPHYLLENE	0.32672 %	3.2672 mg/g	0.00191/0.13919	N/A
β-MYRCENE	0.20684 %	2.0684 mg/g	0.00038/0.13919	N/A
D-LIMONENE	0.13380 %	1.3380 mg/g	0.00025/0.13919	N/A
LINALOOL	0.11888 %	1.1888 mg/g	0.00037/0.13919	N/A
α-HUMULENE	0.11367 %	1.1367 mg/g	0.00047/0.13919	N/A
α-BISABOLOL	0.03967 %	0.3967 mg/g	0.00434/0.13919	N/A
β-PINENE	0.01524 %	0.1524 mg/g	0.00225/0.13919	N/A
α-PINENE	< LOQ	< LOQ	0.00021/0.13919	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.13919	N/A
α-TERPINENE	ND	ND	0.0003/0.13919	N/A
CAMPHENE	ND	ND	0.00022/0.13919	N/A
CIS-β-OCIMENE	ND	ND	0.00134/0.04315	N/A
Δ ³ -CARENE	ND	ND	0.00046/0.13919	N/A
EUCALYPTOL	ND	ND	0.00047/0.13919	N/A
γ-TERPINENE	ND	ND	0.00047/0.13919	N/A
GERANIOL	ND	ND	0.00029/0.13919	N/A
GUAIOL	ND	ND	0.00272/0.13919	N/A
ISOPULEGOL	ND	ND	0.00054/0.13919	N/A
P-CYMENE	ND	ND	0.00027/0.13919	N/A
TRANS-β-OCIMENE	ND	ND	0.0005/0.09604	N/A

DRY-WEIGHT AMOUNTS SHOWN

** TOTAL THC = DELTA-8-THC + (DELTA-8-THCA X 0.877) + DELTA-9-THC + (THCA X 0.877)

** TOTAL CBD = CBD + (CBDA X 0.877)

† SUM OF CANNABINOIDS = CBC + CBCA + CBD + CBDA + CBDV + CBDVA + CBG + CBGA + CBN + DELTA-8-THC + DELTA-9-THC + THCA + THCV + THCVA

†† TOTAL CANNABINOIDS = (CBC + CBD + CBDV + CBG + CBN + DELTA-8-THC + DELTA-9-THC + THCV) + (0.877 * (CBCA + CBDA + CBDVA + CBGA + THCA + THCVA))



REGULATORY COMPLIANCE TESTING

LABORATORY PERFORMED SAMPLING AS PER BCL-01 AT 2211 DAMON STREET, LOS ANGELES, CA 90021. THE RESULTS RELATE ONLY TO THE ITEMS TESTED. 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. ALL DECISION RULES ARE ESTABLISHED BY THE DCC.

RESULTS CERTIFIED BY: DZOANA KLISARA, B.SC.
LABORATORY DIRECTOR, BELCOSTA LABS
NOV 12, 2024

Dzoana Klisara



BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // NOV 10, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01972/0.0696	PASS
ACEPHATE	0.1 µg/g	ND	0.00862/0.0606	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00784/0.06	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00491/0.06042	PASS
ALDICARB	Any amt	ND	0.01231/0.06042	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.0059/0.06048	PASS
BIFENAZATE	0.1 µg/g	ND	0.00876/0.0603	PASS
BIFENTHRIN	3 µg/g	ND	0.00958/0.06	PASS
BOSCALID	0.1 µg/g	ND	0.0171/0.0606	PASS
CARBARYL	0.5 µg/g	ND	0.0079/0.0603	PASS
CARBOFURAN	Any amt	ND	0.00227/0.06036	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.011/0.06054	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.00507/0.0603	PASS
COUMAPHOS	Any amt	ND	0.0193/0.0684	PASS
CYFLUTHRIN	2 µg/g	ND	0.23945/0.8484	PASS
CYPERMETHRIN	1 µg/g	ND	0.07946/0.6	PASS
DAMINOZIDE	Any amt	ND	0.00625/0.0606	PASS
DIAZINON	0.1 µg/g	ND	0.00536/0.0606	PASS
DIMETHOATE	Any amt	ND	0.00621/0.0606	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00422/0.02545	N/A
DIMETHOMORPH II		ND	0.00229/0.03515	N/A
ETHOPROPHOS	Any amt	ND	0.0085/0.0606	PASS
ETOFPENPROX	Any amt	ND	0.00539/0.06054	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00416/0.06036	PASS
FENHEXAMID	0.1 µg/g	ND	0.01569/0.0606	PASS
FENOXYCARB	Any amt	ND	0.00565/0.06048	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00671/0.06048	PASS
FIPRONIL	Any amt	ND	0.00911/0.0603	PASS
FLONICAMID	0.1 µg/g	ND	0.00275/0.0606	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.02537/0.09	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00585/0.0606	PASS
IMAZALIL	Any amt	ND	0.00862/0.06036	PASS
IMIDACLOPRID	5 µg/g	ND	0.00851/0.06036	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00871/0.06036	PASS
MALATHION	0.5 µg/g	ND	0.00764/0.0606	PASS
METALAXYL	2 µg/g	ND	0.00379/0.06054	PASS
METHIOCARB	Any amt	ND	0.01182/0.06042	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
METHOMYL	1 µg/g	ND	0.00504/0.06042	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.002/0.01877	N/A
MEVINPHOS II		ND	0.00532/0.04177	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.00604/0.0603	PASS
NALED	0.1 µg/g	ND	0.00848/0.05994	PASS
OXAMYL	0.5 µg/g	ND	0.0052/0.06036	PASS
PACLOBUTRAZOL	Any amt	ND	0.00849/0.06036	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.0288/0.1021	N/A
PERMETHRIN TRANS		ND	0.04398/0.15589	N/A
PHOSMET	0.1 µg/g	ND	0.00607/0.06042	PASS
PIPERONYLBUTOXIDE	3 µg/g	ND	0.00394/0.06012	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00818/0.06	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.00485/0.0603	PASS
PROPOXUR	Any amt	ND	0.0072/0.06042	PASS
PYRETHRINS	0.5 µg/g	ND		PASS
PYRETHRINS CINERIN I		ND	0.00693/0.02457	N/A
PYRETHRINS CINERIN II		ND	0.00424/0.01502	N/A
PYRETHRINS JASMOLIN I		ND	0.0017/0.01812	N/A
PYRETHRINS JASMOLIN II		ND	0.00496/0.01812	N/A
PYRETHRINS PYRETHRIN I		ND	0.02641/0.09362	N/A
PYRETHRINS PYRETHRIN II		ND	0.018/0.0638	N/A
PYRIDABEN	0.1 µg/g	ND	0.00906/0.0606	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00681/0.0156	N/A
SPINETORAM L		ND	0.00345/0.0444	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00558/0.04601	N/A
SPINOSAD D		ND	0.00123/0.01453	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.01985/0.0708	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00482/0.06054	PASS
SPIROXAMINE	Any amt	ND	0.00338/0.06018	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00726/0.0603	PASS
THIACLOPRID	Any amt	ND	0.00497/0.0603	PASS
THIAMETHOXAM	5 µg/g	ND	0.00349/0.06036	PASS
TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00529/0.0603	PASS

BCL-13: PESTICIDE TESTING BY GC/MS // NOV 11, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03085/0.09343	PASS
CHLORDANE	Any amt	ND		PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01097/0.03331	PASS
DICHLORVOS	Any amt	ND	0.01155/0.03501	PASS



REGULATORY COMPLIANCE TESTING

CHLORDANE CIS	ND	0.01091/0.03308	N/A
CHLORDANE TRANS	ND	0.01044/0.03155	N/A
CHLORFENAPYR	Any amt	ND	PASS

METHYL PARATHION	Any amt	ND	0.01326/0.04018	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01378/0.04182	PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // NOV 11, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.1666/0.58117	PASS
ACETONE	5000 µg/g	ND	18.75242/58.11701	PASS
ACETONITRILE	410 µg/g	ND	16.64084/58.11701	PASS
BENZENE	1 µg/g	ND	0.07361/0.58117	PASS
BUTANE	5000 µg/g	ND	17.54746/58.11701	PASS
CHLOROFORM	1 µg/g	ND	0.17048/0.58117	PASS
ETHANOL	5000 µg/g	ND	14.3859/58.11701	PASS
ETHYL ACETATE	5000 µg/g	ND	17.76443/58.11701	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18597/0.58117	PASS
ETHYL ETHER	5000 µg/g	ND	15.64897/58.11701	PASS
HEPTANE	5000 µg/g	ND	13.69237/58.11701	PASS
HEXANE	290 µg/g	ND	21.08098/96.86168	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.52925/58.11701	PASS
METHANOL	3000 µg/g	ND	13.02983/58.11701	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14723/0.58117	PASS
PENTANE	5000 µg/g	ND	32.04184/96.86168	PASS
PROPANE	5000 µg/g	ND	16.5556/58.11701	PASS
TOLUENE	890 µg/g	ND	9.14762/58.11701	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07749/0.58117	PASS
O-XYLENE		ND	4.33165/29.0585	N/A
P- AND M-XYLENE		ND	4.01395/29.0585	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // NOV 09, 2024

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 // NOV 10, 2024

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
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS
SHIGA TOXIN-PRODUCING E. COLI	Any amt in 1 gram	ND	PASS

BCL-05: MYCOTOXIN TESTING BY LC-MS/MS // NOV 10, 2024

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	1.19/4.22	N/A
AFLATOXIN B2		ND	1.45/5.12	N/A
AFLATOXIN G1		ND	1.58/5.6	N/A
AFLATOXIN G2		ND	0.63/3	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.63/6	PASS

BCL-020: HEAVY METAL TESTING BY ICP-MS // NOV 10, 2024

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 // NOV 10, 2024

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		7.80	N/A

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // NOV 10, 2024

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.41	PASS

ACCREDITATIONS



A2LA ACCREDITED

BCL-02: MOISTURE CONTENT BY GRAVIMETRY
 BCL-020: HEAVY METAL TESTING BY ICP-MS
 BCL-05: MYCOTOXIN TESTING BY LC-MS/MS
 BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI
 BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY
 BCL-09: TERPENOID TESTING BY HS-GC/FID
 BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM
 BCL-13: PESTICIDE TESTING BY GC/MS
 BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS

