

CERTIFICATE OF ANALYSIS

PRODUCED: AUG 29, 2021

SAMPLE: MAC 1 (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFMAC0819MP
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-210825-042
COLLECTED ON: AUG 25, 2021
RECEIVED ON: AUG 25, 2021
BATCH/SAMPLE SIZE: 1800 U / 13 U
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

TOTAL THC:	24.99172 %
TOTAL CBD:	0.05602 %
TOTAL CANNABINOIDS:	30.64025 %

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	0.04327 %	0.4327 mg/g	0.01047/0.23796	N/A
CBCA	0.36730 %	3.6730 mg/g	0.02998/0.23796	N/A
CBD	ND	ND	0.01475/0.23796	N/A
CBDA	0.06388 %	0.6388 mg/g	0.00761/0.23796	N/A
CBDV	ND	ND	0.01142/0.23796	N/A
CBDVA	ND	ND	0.00761/0.23796	N/A
CBG	0.06941 %	0.6941 mg/g	0.0138/0.23796	N/A
CBGA	1.54323 %	15.4323 mg/g	0.00952/0.23796	N/A
CBN	ND	ND	0.00761/0.23796	N/A
Δ ⁸ -THC	0.03347 %	0.3347 mg/g	0.0276/0.23796	N/A
Δ ⁹ -THC	1.08455 %	10.8455 mg/g	0.01999/0.23796	N/A
THCA	27.26017 %	272.6017 mg/g	0.01428/0.23796	N/A
THCV	ND	ND	0.01571/0.23796	N/A
THCVA	0.17497 %	1.7497 mg/g	0.01095/0.23796	N/A
TOT THC **	24.99172 %	249.9172 mg/g		N/A
TOT CBD **	0.05602 %	0.5602 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	27.11 mg			N/A
TOT CBD/PKG **	1.40 mg			N/A
TOT THC/PKG **	624.79 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	0.72073 %	7.2073 mg/g		N/A
β-CARYOPHYLLENE	0.20392 %	2.0392 mg/g	1.80068/131.2582	N/A
D-LIMONENE	0.15007 %	1.5007 mg/g	0.23506/131.2582	N/A
LINALOOL	0.12423 %	1.2423 mg/g	0.3479/131.2582	N/A
α-BISABOLOL	0.08885 %	0.8885 mg/g	4.09292/131.2582	N/A
α-HUMULENE	0.07862 %	0.7862 mg/g	0.44015/131.2582	N/A
β-PINENE	0.02726 %	0.2726 mg/g	2.12495/131.2582	N/A
β-MYRCENE	0.02581 %	0.2581 mg/g	0.35679/131.2582	N/A
α-PINENE	0.02197 %	0.2197 mg/g	0.20265/131.2582	N/A
CAMPHENE	< LOQ	< LOQ	0.20384/131.2582	N/A
α-TERPINENE	ND	ND	0.28232/131.2582	N/A
β-OCIMENE	ND	ND	0.4699/90.56816	N/A
Δ ³ -CARENE	ND	ND	0.4326/131.2582	N/A
EUCALYPTOL	ND	ND	0.43948/131.2582	N/A
γ-TERPINENE	ND	ND	0.44304/131.2582	N/A
GERANIOL	ND	ND	0.2735/131.2582	N/A
GUAJOL	ND	ND	2.56423/131.2582	N/A
ISOPULEGOL	ND	ND	0.51196/131.2582	N/A
α-OCIMENE	ND	ND	1.26726/40.69004	N/A
P-CYMENE	ND	ND	0.2558/131.2582	N/A
TERPINOLENE	ND	ND	0.2776/131.2582	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	0.17125/0.59737	PASS
ACETONE	5000 µg/g	ND	19.27519/59.73716	PASS
ACETONITRILE	410 µg/g	ND	17.10474/59.73716	PASS
BENZENE	1 µg/g	ND	0.07567/0.59737	PASS
BUTANE	5000 µg/g	ND	18.03664/59.73716	PASS
CHLOROFORM	1 µg/g	ND	0.17523/0.59737	PASS
ETHANOL	5000 µg/g	ND	14.78694/59.73716	PASS
ETHYL ACETATE	5000 µg/g	ND	18.25966/59.73716	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.19116/0.59737	PASS
ETHYL ETHER	5000 µg/g	ND	16.08523/59.73716	PASS
HEPTANE	5000 µg/g	ND	14.07407/59.73716	PASS
HEXANE	290 µg/g	ND	21.66866/99.56193	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.93429/59.73716	PASS
METHANOL	3000 µg/g	ND	13.39307/59.73716	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.15133/0.59737	PASS
PENTANE	5000 µg/g	ND	32.93509/99.56193	PASS
PROPANE	5000 µg/g	ND	17.01712/59.73716	PASS
TOLUENE	890 µg/g	ND	9.40263/59.73716	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07965/0.59737	PASS
O-XYLENE		ND	4.45241/29.86858	N/A
P- AND M-XYLENE		ND	4.12585/29.86858	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	0.56	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	0.084	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		9.70	N/A

