

CERTIFICATE OF ANALYSIS

PRODUCED: JUN 16, 2022

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



BATCH NO.: GHFMAC0608PR
METRC UID: 1A406030003DC49000002876
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220613-140
COLLECTED ON: JUN 13, 2022
RECEIVED ON: JUN 13, 2022
BATCH/SAMPLE SIZE: 1298 UNITS / 13 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	24.69753 %
TOTAL CBD:	0.04482 %
SUM OF CANNABINOIDS:	29.59276 %

CULTIVATOR INFO

CULTIVATOR
MISSION HEALTH ASSOCIATES, INC.
DBA GLASS HOUSE FARMS
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 // JUN 15, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.01093/0.24831	N/A
CBCA	0.40596 %	4.0596 mg/g	0.03129/0.24831	N/A
CBD	ND	ND	0.0154/0.24831	N/A
CBDA	0.05111 %	0.5111 mg/g	0.00795/0.24831	N/A
CBDV	ND	ND	0.01192/0.24831	N/A
CBDVA	0.04673 %	0.4673 mg/g	0.00795/0.24831	N/A
CBG	0.03968 %	0.3968 mg/g	0.0144/0.24831	N/A
CBGA	0.87827 %	8.7827 mg/g	0.00993/0.24831	N/A
CBN	ND	ND	0.00795/0.24831	N/A
Δ ⁸ -THC	ND	ND	0.0288/0.24831	N/A
Δ ⁹ -THC	1.01461 %	10.1461 mg/g	0.02086/0.24831	N/A
THCA	27.00447 %	270.0447 mg/g	0.0149/0.24831	N/A
THCV	ND	ND	0.01639/0.24831	N/A
THCVA	0.15193 %	1.5193 mg/g	0.01142/0.24831	N/A
TOT THC**	24.69753 %	246.9753 mg/g		N/A
TOT CBD**	0.04482 %	0.4482 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	10.15 mg			N/A
TOT CBD/PKG**	0.45 mg			N/A
TOT THC/PKG**	246.98 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 15, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.96753 %	9.6753 mg/g		N/A
D-LIMONENE	0.30338 %	3.0338 mg/g	0.00023/0.12823	N/A
β-CARYOPHYLLENE	0.20616 %	2.0616 mg/g	0.00176/0.12823	N/A
LINALOOL	0.11044 %	1.1044 mg/g	0.00034/0.12823	N/A
α-BISABOLOL	0.08354 %	0.8354 mg/g	0.004/0.12823	N/A
α-PINENE	0.08107 %	0.8107 mg/g	0.0002/0.12823	N/A
β-PINENE	0.07496 %	0.7496 mg/g	0.00208/0.12823	N/A
α-HUMULENE	0.06577 %	0.6577 mg/g	0.00043/0.12823	N/A
β-MYRCENE	0.04221 %	0.4221 mg/g	0.00035/0.12823	N/A
TERPINOLENE	< LOQ	< LOQ	0.00027/0.12823	N/A
TRANS-β-OCIMENE	< LOQ	< LOQ	0.00046/0.08848	N/A
CAMPHENE	< LOQ	< LOQ	0.0002/0.12823	N/A
CIS-β-OCIMENE	ND	ND	0.00124/0.03975	N/A
EUCALYPTOL	ND	ND	0.00043/0.12823	N/A
γ-TERPINENE	ND	ND	0.00043/0.12823	N/A
GERANIOL	ND	ND	0.00027/0.12823	N/A
GUAJOL	ND	ND	0.00251/0.12823	N/A
ISOPULEGOL	ND	ND	0.0005/0.12823	N/A
P-CYME	ND	ND	0.00025/0.12823	N/A
α-TERPINENE	ND	ND	0.00028/0.12823	N/A
Δ ³ -CARENE	ND	ND	0.00042/0.12823	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
JUN 16, 2022

BCL-13: PESTICIDE TESTING BY GC/MS // JUN 15, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03141/0.09512	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01111/0.03368	N/A
CHLORDANE TRANS		ND	0.01063/0.03213	N/A
CHLORFENAPYR	Any amt	ND	0.02395/0.07249	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01117/0.03392	PASS
DICHLORVOS	Any amt	ND	0.01176/0.03565	PASS
METHYL PARATHION	Any amt	ND	0.0135/0.0409	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01403/0.04258	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 15, 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 // JUN 15, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16558/0.57759	PASS
ACETONE	5000 µg/g	ND	18.63689/57.75895	PASS
ACETONITRILE	410 µg/g	ND	16.53831/57.75895	PASS
BENZENE	1 µg/g	ND	0.07316/0.57759	PASS
BUTANE	5000 µg/g	ND	17.43935/57.75895	PASS
CHLOROFORM	1 µg/g	ND	0.16943/0.57759	PASS
ETHANOL	5000 µg/g	ND	14.29727/57.75895	PASS
ETHYL ACETATE	5000 µg/g	ND	17.65499/57.75895	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18483/0.57759	PASS
ETHYL ETHER	5000 µg/g	ND	15.55256/57.75895	PASS
HEPTANE	5000 µg/g	ND	13.60801/57.75895	PASS
HEXANE	290 µg/g	ND	20.9511/96.26492	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.43974/57.75895	PASS
METHANOL	3000 µg/g	ND	12.94956/57.75895	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14632/0.57759	PASS
PENTANE	5000 µg/g	ND	31.84444/96.26492	PASS
PROPANE	5000 µg/g	ND	16.4536/57.75895	PASS
TOLUENE	890 µg/g	ND	9.09126/57.75895	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07701/0.57759	PASS
O-XYLENE		ND	4.30497/28.87948	N/A
P- AND M-XYLENE		ND	3.98922/28.87948	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUN 15, 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 // JUN 14, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.59	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 14, 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 // JUN 15, 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 // JUN 15, 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	0.109	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUN 14, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.50	N/A

