

CERTIFICATE OF ANALYSIS

PRODUCED: MAR 07, 2022

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



BATCH NO.: GHFMAC0223MP
METRC UID: 1A406030000A423000004889
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220303-017
COLLECTED ON: MAR 03, 2022
RECEIVED ON: MAR 03, 2022
BATCH/SAMPLE SIZE: 1754 UNITS / 13 UNITS
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

TOTAL THC:	25.23258 %
TOTAL CBD:	0.06275 %
SUM OF CANNABINOIDS:	29.90907 %

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
 2211 DAMON STREET
 LOS ANGELES, CA 9002

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



BCL-03: CANNABINOID POTENCY BY HPLC-UV // MAR 06, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.15171 %	1.5171 mg/g	0.01052/0.23919	N/A
CBCA	0.40228 %	4.0228 mg/g	0.03014/0.23919	N/A
CBD	< LOQ	< LOQ	0.01483/0.23919	N/A
CBDA	0.07155 %	0.7155 mg/g	0.00765/0.23919	N/A
CBDV	ND	ND	0.01148/0.23919	N/A
CBDVA	ND	ND	0.00765/0.23919	N/A
CBG	0.17844 %	1.7844 mg/g	0.01387/0.23919	N/A
CBGA	0.78372 %	7.8372 mg/g	0.00957/0.23919	N/A
CBN	0.05191 %	0.5191 mg/g	0.00765/0.23919	N/A
Δ ⁸ -THC	ND	ND	0.02775/0.23919	N/A
Δ ⁹ -THC	4.87887 %	48.7887 mg/g	0.02009/0.23919	N/A
THCA	23.20834 %	232.0834 mg/g	0.01435/0.23919	N/A
THCV	0.03323 %	0.3323 mg/g	0.01579/0.23919	N/A
THCVA	0.14902 %	1.4902 mg/g	0.011/0.23919	N/A
TOT THC **	25.23258 %	252.3258 mg/g		N/A
TOT CBD **	0.06275 %	0.6275 mg/g		N/A
CBD/PKG	< LOQ			N/A
Δ ⁹ -THC/PKG	121.97 mg			N/A
TOT CBD/PKG **	1.57 mg			N/A
TOT THC/PKG **	630.81 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // MAR 05, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.50586 %	5.0586 mg/g		N/A
β-CARYOPHYLLENE	0.16583 %	1.6583 mg/g	0.00191/0.13925	N/A
D-LIMONENE	0.09780 %	0.9780 mg/g	0.00025/0.13925	N/A
α-BISABOLOL	0.09349 %	0.9349 mg/g	0.00434/0.13925	N/A
LINALOOL	0.09129 %	0.9129 mg/g	0.00037/0.13925	N/A
α-HUMULENE	0.05745 %	0.5745 mg/g	0.00047/0.13925	N/A
α-PINENE	< LOQ	< LOQ	0.00021/0.13925	N/A
β-MYRCENE	< LOQ	< LOQ	0.00038/0.13925	N/A
β-PINENE	< LOQ	< LOQ	0.00225/0.13925	N/A
GERANIOL	ND	ND	0.00029/0.13925	N/A
P-CYMENE	ND	ND	0.00027/0.13925	N/A
ISOPULEGOL	ND	ND	0.00054/0.13925	N/A
GUAJOL	ND	ND	0.00272/0.13925	N/A
Δ ³ -CARENE	ND	ND	0.00046/0.13925	N/A
γ-TERPINENE	ND	ND	0.00047/0.13925	N/A
EUCALYPTOL	ND	ND	0.00047/0.13925	N/A
α-TERPINENE	ND	ND	0.0003/0.13925	N/A
CAMPHENE	ND	ND	0.00022/0.13925	N/A
β-OCIMENE	ND	ND	0.0005/0.09608	N/A
α-OCIMENE	ND	ND	0.00134/0.04317	N/A
TERPINOLENE	ND	ND	0.00029/0.13925	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
 MAR 07, 2022



BCL-13: PESTICIDE TESTING BY GC/MS // MAR 05, 2022

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 // MAR 05, 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
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 // MAR 05, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16969/0.59195	PASS
ACETONE	5000 µg/g	ND	19.10024/59.19495	PASS
ACETONITRILE	410 µg/g	ND	16.94949/59.19495	PASS
BENZENE	1 µg/g	ND	0.07498/0.59195	PASS
BUTANE	5000 µg/g	ND	17.87293/59.19495	PASS
CHLOROFORM	1 µg/g	ND	0.17364/0.59195	PASS
ETHANOL	5000 µg/g	ND	14.65272/59.19495	PASS
ETHYL ACETATE	5000 µg/g	ND	18.09392/59.19495	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18942/0.59195	PASS
ETHYL ETHER	5000 µg/g	ND	15.93923/59.19495	PASS
HEPTANE	5000 µg/g	ND	13.94633/59.19495	PASS
HEXANE	290 µg/g	ND	21.47198/98.65825	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.79874/59.19495	PASS
METHANOL	3000 µg/g	ND	13.27151/59.19495	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14996/0.59195	PASS
PENTANE	5000 µg/g	ND	32.63615/98.65825	PASS
PROPANE	5000 µg/g	ND	16.86267/59.19495	PASS
TOLUENE	890 µg/g	ND	9.31728/59.19495	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07893/0.59195	PASS
O-XYLENE		ND	4.412/29.59747	N/A
P- AND M-XYLENE		ND	4.0884/29.59747	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // MAR 05, 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 // MAR 04, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.44	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // MAR 03, 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 // MAR 06, 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 // MAR 04, 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	0.075	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // MAR 04, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		9.60	N/A

