

CERTIFICATE OF ANALYSIS

PRODUCED: JUL 14, 2022

SAMPLE: MAC 1 (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFMAC0708BB  
 METRC UID: 1A406030003DC49000004301  
 MATRIX: FLOWER  
 CATEGORY: INHALABLE  
 SAMPLE ID: BCL-220711-072  
 COLLECTED ON: JUL 11, 2022  
 RECEIVED ON: JUL 11, 2022  
 BATCH/SAMPLE SIZE: 11350 G / 40 G

CANNABINOID OVERVIEW

TOTAL THC:	30.00247 %
TOTAL CBD:	0.07352 %
SUM OF CANNABINOIDS:	36.37173 %

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 90021

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



BCL-03: CANNABINOID POTENCY BY HPLC-UV // JUL 13, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.01065/0.24197	N/A
CBCA	0.57894 %	5.7894 mg/g	0.03049/0.24197	N/A
CBD	ND	ND	0.015/0.24197	N/A
CBDA	0.08383 %	0.8383 mg/g	0.00774/0.24197	N/A
CBDV	ND	ND	0.01161/0.24197	N/A
CBDVA	ND	ND	0.00774/0.24197	N/A
CBG	0.05180 %	0.5180 mg/g	0.01403/0.24197	N/A
CBGA	1.42113 %	14.2113 mg/g	0.00968/0.24197	N/A
CBN	ND	ND	0.00774/0.24197	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02807/0.24197	N/A
Δ <sup>9</sup> -THC	1.35306 %	13.5306 mg/g	0.02033/0.24197	N/A
THCA	32.66751 %	326.6751 mg/g	0.01452/0.24197	N/A
THCV	ND	ND	0.01597/0.24197	N/A
THCVA	0.21546 %	2.1546 mg/g	0.01113/0.24197	N/A
TOT THC**	30.00247 %	300.0247 mg/g		N/A
TOT CBD**	0.07352 %	0.7352 mg/g		N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUL 13, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.88987 %	18.8987 mg/g		N/A
D-LIMONENE	0.71212 %	7.1212 mg/g	0.00025/0.1375	N/A
β-CARYOPHYLLENE	0.32217 %	3.2217 mg/g	0.00189/0.1375	N/A
LINALOOL	0.18524 %	1.8524 mg/g	0.00036/0.1375	N/A
β-MYRCENE	0.14571 %	1.4571 mg/g	0.00037/0.1375	N/A
β-PINENE	0.13444 %	1.3444 mg/g	0.00223/0.1375	N/A
α-HUMULENE	0.10794 %	1.0794 mg/g	0.00046/0.1375	N/A
α-PINENE	0.15480 %	1.5480 mg/g	0.00021/0.1375	N/A
α-BISABOLOL	0.08837 %	0.8837 mg/g	0.00429/0.1375	N/A
TRANS-β-OCIMENE	0.02034 %	0.2034 mg/g	0.00049/0.09487	N/A
CAMPHENE	0.01874 %	0.1874 mg/g	0.00021/0.1375	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.1375	N/A
CIS-β-OCIMENE	ND	ND	0.00133/0.04262	N/A
EUCALYPTOL	ND	ND	0.00046/0.1375	N/A
γ-TERPINENE	ND	ND	0.00046/0.1375	N/A
GERANIOL	ND	ND	0.00029/0.1375	N/A
GUAIOL	ND	ND	0.00269/0.1375	N/A
ISOPULEGOL	ND	ND	0.00054/0.1375	N/A
α-TERPINENE	ND	ND	0.0003/0.1375	N/A
P-CYME	ND	ND	0.00027/0.1375	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00045/0.1375	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. ALL DECISION RULES ARE ESTABLISHED BY THE DCC.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 JUL 14, 2022



## BCL-13: PESTICIDE TESTING BY GC/MS // JUL 13, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03125/0.09465	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01105/0.03351	N/A
CHLORDANE TRANS		ND	0.01058/0.03197	N/A
CHLORFENAPYR	Any amt	ND	0.02383/0.07213	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01111/0.03375	PASS
DICHLORVOS	Any amt	ND	0.01171/0.03547	PASS
METHYL PARATHION	Any amt	ND	0.01343/0.0407	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01396/0.04236	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUL 13, 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	< LOQ	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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUL 12, 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-020: HEAVY METAL TESTING BY ICP-MS // JUL 13, 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	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

**BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JUL 12, 2022**

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.62	PASS

**BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // JUL 13, 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-11: MYCOTOXIN TESTING BY LC-MS/MS // JUL 13, 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-02: MOISTURE CONTENT BY GRAVIMETRY // JUL 12, 2022**

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.70	N/A

