

## CERTIFICATE OF ANALYSIS

PRODUCED: AUG 29, 2021

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



**BATCH NO.:** GHFMAC0819PR  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-210825-041  
**COLLECTED ON:** AUG 25, 2021  
**RECEIVED ON:** AUG 25, 2021  
**BATCH/SAMPLE SIZE:** 4300 U / 20 U  
**PACKAGE SIZE:** 1 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>24.77547 %</b>
<b>TOTAL CBD:</b>	<b>0.05252 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>30.34773 %</b>

### 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	0.03728 %	0.3728 mg/g	0.01063/0.24169	N/A
CBCA	0.38331 %	3.8331 mg/g	0.03045/0.24169	N/A
CBD	ND	ND	0.01498/0.24169	N/A
CBDA	0.05989 %	0.5989 mg/g	0.00773/0.24169	N/A
CBDV	ND	ND	0.0116/0.24169	N/A
CBDVA	ND	ND	0.00773/0.24169	N/A
CBG	0.06213 %	0.6213 mg/g	0.01402/0.24169	N/A
CBGA	1.52319 %	15.2319 mg/g	0.00967/0.24169	N/A
CBN	ND	ND	0.00773/0.24169	N/A
Δ <sup>8</sup> -THC	< LOQ	< LOQ	0.02804/0.24169	N/A
Δ <sup>9</sup> -THC	1.00945 %	10.0945 mg/g	0.0203/0.24169	N/A
THCA	27.09922 %	270.9922 mg/g	0.0145/0.24169	N/A
THCV	ND	ND	0.01595/0.24169	N/A
THCVA	0.17326 %	1.7326 mg/g	0.01112/0.24169	N/A
TOT THC **	24.77547 %	247.7547 mg/g		N/A
TOT CBD **	0.05252 %	0.5252 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	10.09 mg			N/A
TOT CBD/PKG **	0.53 mg			N/A
TOT THC/PKG **	247.75 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	0.89682 %	8.9682 mg/g		N/A
D-LIMONENE	0.24049 %	2.4049 mg/g	0.23266/129.91834	N/A
LINALOOL	0.13228 %	1.3228 mg/g	0.34435/129.91834	N/A
β-CARYOPHYLLENE	0.22940 %	2.2940 mg/g	1.7823/129.91834	N/A
α-BISABOLOL	0.08751 %	0.8751 mg/g	4.05114/129.91834	N/A
α-HUMULENE	0.08566 %	0.8566 mg/g	0.43566/129.91834	N/A
β-PINENE	0.04350 %	0.4350 mg/g	2.10326/129.91834	N/A
β-MYRCENE	0.04182 %	0.4182 mg/g	0.35314/129.91834	N/A
α-PINENE	0.03616 %	0.3616 mg/g	0.20058/129.91834	N/A
CAMPHENE	< LOQ	< LOQ	0.20176/129.91834	N/A
α-TERPINENE	ND	ND	0.27944/129.91834	N/A
β-OCIMENE	ND	ND	0.46511/89.64365	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.42818/129.91834	N/A
EUCALYPTOL	ND	ND	0.43499/129.91834	N/A
γ-TERPINENE	ND	ND	0.43851/129.91834	N/A
GERANIOL	ND	ND	0.27071/129.91834	N/A
GUAJOL	ND	ND	2.53806/129.91834	N/A
ISOPULEGOL	ND	ND	0.50673/129.91834	N/A
α-OCIMENE	ND	ND	1.25432/40.27468	N/A
P-CYMENE	ND	ND	0.25318/129.91834	N/A
TERPINOLENE	ND	ND	0.27476/129.91834	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	0.16647/0.58072	PASS
ACETONE	5000 µg/g	ND	18.7379/58.07201	PASS
ACETONITRILE	410 µg/g	ND	16.62795/58.07201	PASS
BENZENE	1 µg/g	ND	0.07356/0.58072	PASS
BUTANE	5000 µg/g	ND	17.53388/58.07201	PASS
CHLOROFORM	1 µg/g	ND	0.17034/0.58072	PASS
ETHANOL	5000 µg/g	ND	14.37476/58.07201	PASS
ETHYL ACETATE	5000 µg/g	ND	17.75068/58.07201	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18583/0.58072	PASS
ETHYL ETHER	5000 µg/g	ND	15.63686/58.07201	PASS
HEPTANE	5000 µg/g	ND	13.68177/58.07201	PASS
HEXANE	290 µg/g	ND	21.06465/96.78668	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.518/58.07201	PASS
METHANOL	3000 µg/g	ND	13.01974/58.07201	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14712/0.58072	PASS
PENTANE	5000 µg/g	ND	32.01703/96.78668	PASS
PROPANE	5000 µg/g	ND	16.54278/58.07201	PASS
TOLUENE	890 µg/g	ND	9.14053/58.07201	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07743/0.58072	PASS
O-XYLENE		ND	4.3283/29.036	N/A
P- AND M-XYLENE		ND	4.01084/29.036	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	0.101	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		11.70	N/A

