

CERTIFICATE OF ANALYSIS

PRODUCED: JUL 03, 2022

SAMPLE: LIFE HACK (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



**BATCH NO.:** GHFLHA0608PR  
**METRC UID:** 1A406030003DC49000002927  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220627-113  
**COLLECTED ON:** JUN 27, 2022  
**RECEIVED ON:** JUN 27, 2022  
**BATCH/SAMPLE SIZE:** 1797 UNITS / 13 UNITS  
**PACKAGE SIZE:** 1 G

CANNABINOID OVERVIEW	
TOTAL THC:	23.94862 %
TOTAL CBD:	0.05142 %
SUM OF CANNABINOIDS:	28.34273 %

**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 02, 2022**

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.0109/0.24772	N/A
CBCA	0.20135 %	2.0135 mg/g	0.03121/0.24772	N/A
CBD	ND	ND	0.01536/0.24772	N/A
CBDA	0.05863 %	0.5863 mg/g	0.00793/0.24772	N/A
CBDV	ND	ND	0.01189/0.24772	N/A
CBDVA	ND	ND	0.00793/0.24772	N/A
CBG	0.12893 %	1.2893 mg/g	0.01437/0.24772	N/A
CBGA	0.74388 %	7.4388 mg/g	0.00991/0.24772	N/A
CBN	ND	ND	0.00793/0.24772	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02874/0.24772	N/A
Δ <sup>9</sup> -THC	1.25256 %	12.5256 mg/g	0.02081/0.24772	N/A
THCA	25.87920 %	258.7920 mg/g	0.01486/0.24772	N/A
THCV	ND	ND	0.01635/0.24772	N/A
THCVA	0.07818 %	0.7818 mg/g	0.0114/0.24772	N/A
TOT THC**	23.94862 %	239.4862 mg/g		N/A
TOT CBD**	0.05142 %	0.5142 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	12.53 mg			N/A
TOT CBD/PKG**	0.51 mg			N/A
TOT THC/PKG**	239.49 mg			N/A

**BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 29, 2022**

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.43624 %	4.3624 mg/g		N/A
β-CARYOPHYLLENE	0.26489 %	2.6489 mg/g	0.00192/0.13964	N/A
α-HUMULENE	0.08281 %	0.8281 mg/g	0.00047/0.13964	N/A
LINALOOL	0.02479 %	0.2479 mg/g	0.00037/0.13964	N/A
β-MYRCENE	0.02381 %	0.2381 mg/g	0.00038/0.13964	N/A
D-LIMONENE	0.02344 %	0.2344 mg/g	0.00025/0.13964	N/A
α-BISABOLOL	0.01650 %	0.1650 mg/g	0.00435/0.13964	N/A
β-PINENE	< LOQ	< LOQ	0.00226/0.13964	N/A
α-PINENE	< LOQ	< LOQ	0.00022/0.13964	N/A
CAMPHENE	ND	ND	0.00022/0.13964	N/A
CIS-β-OCIMENE	ND	ND	0.00135/0.04329	N/A
α-TERPINENE	ND	ND	0.0003/0.13964	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00046/0.13964	N/A
EUCALYPTOL	ND	ND	0.00047/0.13964	N/A
γ-TERPINENE	ND	ND	0.00047/0.13964	N/A
GUAIOL	ND	ND	0.00273/0.13964	N/A
ISOPULEGOL	ND	ND	0.00054/0.13964	N/A
P-CYMENE	ND	ND	0.00027/0.13964	N/A
TERPINOLENE	ND	ND	0.0003/0.13964	N/A
TRANS-β-OCIMENE	ND	ND	0.0005/0.09635	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 03, 2022

## BCL-13: PESTICIDE TESTING BY GC/MS // JUN 29, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03117/0.09439	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01102/0.03342	N/A
CHLORDANE TRANS		ND	0.01055/0.03188	N/A
CHLORFENAPYR	Any amt	ND	0.02376/0.07193	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01108/0.03366	PASS
DICHLORVOS	Any amt	ND	0.01167/0.03537	PASS
METHYL PARATHION	Any amt	ND	0.01339/0.04059	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01392/0.04225	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 29, 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 29, 2022**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16896/0.58939	PASS
ACETONE	5000 µg/g	ND	19.01768/58.9391	PASS
ACETONITRILE	410 µg/g	ND	16.87623/58.9391	PASS
BENZENE	1 µg/g	ND	0.07466/0.58939	PASS
BUTANE	5000 µg/g	ND	17.79568/58.9391	PASS
CHLOROFORM	1 µg/g	ND	0.17289/0.58939	PASS
ETHANOL	5000 µg/g	ND	14.58939/58.9391	PASS
ETHYL ACETATE	5000 µg/g	ND	18.01572/58.9391	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18861/0.58939	PASS
ETHYL ETHER	5000 µg/g	ND	15.87033/58.9391	PASS
HEPTANE	5000 µg/g	ND	13.88605/58.9391	PASS
HEXANE	290 µg/g	ND	21.37917/98.23183	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.73477/58.9391	PASS
METHANOL	3000 µg/g	ND	13.21415/58.9391	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14931/0.58939	PASS
PENTANE	5000 µg/g	ND	32.49509/98.23183	PASS
PROPANE	5000 µg/g	ND	16.78978/58.9391	PASS
TOLUENE	890 µg/g	ND	9.27701/58.9391	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07859/0.58939	PASS
O-XYLENE		ND	4.39293/29.46955	N/A
P- AND M-XYLENE		ND	4.07073/29.46955	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

**BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUN 29, 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 28, 2022**

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.56	PASS

**BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 28, 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 29, 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 28, 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-02: MOISTURE CONTENT BY GRAVIMETRY // JUN 28, 2022**

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		9.50	N/A

