

## CERTIFICATE OF ANALYSIS

PRODUCED: JUL 06, 2021

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



**BATCH NO.:** GHFGCK0630PR  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-210701-028  
**COLLECTED ON:** JUL 01, 2021  
**RECEIVED ON:** JUL 01, 2021  
**BATCH/SAMPLE SIZE:** 1750 U / 13 U  
**PACKAGE SIZE:** 1 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>27.59485 %</b>
<b>TOTAL CBD:</b>	<b>0.06796 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>33.68641 %</b>

### MANUFACTURER INFO

**MANUFACTURER**  
 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 // JUL 05, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.01053/0.23928	N/A
CBCA	0.45741 %	4.5741 mg/g	0.03015/0.23928	N/A
CBD	ND	ND	0.01484/0.23928	N/A
CBDA	0.07749 %	0.7749 mg/g	0.00766/0.23928	N/A
CBDV	ND	ND	0.01149/0.23928	N/A
CBDVA	ND	ND	0.00766/0.23928	N/A
CBG	0.09990 %	0.9990 mg/g	0.01388/0.23928	N/A
CBGA	1.59959 %	15.9959 mg/g	0.00957/0.23928	N/A
CBN	ND	ND	0.00766/0.23928	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02776/0.23928	N/A
Δ <sup>9</sup> -THC	1.12510 %	11.2510 mg/g	0.0201/0.23928	N/A
THCA	30.18216 %	301.8216 mg/g	0.01436/0.23928	N/A
THCV	ND	ND	0.01579/0.23928	N/A
THCVA	0.14476 %	1.4476 mg/g	0.01101/0.23928	N/A
TOT THC **	27.59485 %	275.9485 mg/g		N/A
TOT CBD **	0.06796 %	0.6796 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	11.25 mg			N/A
TOT CBD/PKG **	0.68 mg			N/A
TOT THC/PKG **	275.95 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // JUL 03, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	1.24459 %	12.4459 mg/g		N/A
β-CARYOPHYLLENE	0.42718 %	4.2718 mg/g	1.87853/136.93271	N/A
α-HUMULENE	0.17613 %	1.7613 mg/g	0.45918/136.93271	N/A
β-MYRCENE	0.16303 %	1.6303 mg/g	0.37221/136.93271	N/A
D-LIMONENE	0.29360 %	2.9360 mg/g	0.24522/136.93271	N/A
α-BISABOLOL	0.06287 %	0.6287 mg/g	4.26986/136.93271	N/A
LINALOOL	0.05635 %	0.5635 mg/g	0.36294/136.93271	N/A
β-PINENE	0.04146 %	0.4146 mg/g	2.21682/136.93271	N/A
α-PINENE	0.02397 %	0.2397 mg/g	0.21141/136.93271	N/A
CAMPHENE	< LOQ	< LOQ	0.21266/136.93271	N/A
α-TERPINENE	ND	ND	0.29453/136.93271	N/A
β-OCIMENE	ND	ND	0.49022/94.48357	N/A
α-OCIMENE	ND	ND	1.32204/42.44914	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.4513/136.93271	N/A
EUCALYPTOL	ND	ND	0.45848/136.93271	N/A
γ-TERPINENE	ND	ND	0.46219/136.93271	N/A
GERANIOL	ND	ND	0.28533/136.93271	N/A
GUAIOL	ND	ND	2.67509/136.93271	N/A
ISOPULEGOL	ND	ND	0.53409/136.93271	N/A
P-CYMENE	ND	ND	0.26685/136.93271	N/A
TERPINOLENE	ND	ND	0.2896/136.93271	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 5730 OF CALIFORNIA CODE OF REGULATIONS TITLE 16 DIVISION 42 BUREAU OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: RON BROOKS, M.S.  
 LABORATORY DIRECTOR, BELCOSTA LABS  
 JUL 06, 2021



## BCL-13: PESTICIDE TESTING BY GC/MS // JUL 06, 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 // JUL 06, 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 // JUL 03, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.17179/0.59928	PASS
ACETONE	5000 µg/g	ND	19.3368/59.92809	PASS
ACETONITRILE	410 µg/g	ND	17.15941/59.92809	PASS
BENZENE	1 µg/g	ND	0.07591/0.59928	PASS
BUTANE	5000 µg/g	ND	18.09429/59.92809	PASS
CHLOROFORM	1 µg/g	ND	0.17579/0.59928	PASS
ETHANOL	5000 µg/g	ND	14.8342/59.92809	PASS
ETHYL ACETATE	5000 µg/g	ND	18.31802/59.92809	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.19177/0.59928	PASS
ETHYL ETHER	5000 µg/g	ND	16.13664/59.92809	PASS
HEPTANE	5000 µg/g	ND	14.11906/59.92809	PASS
HEXANE	290 µg/g	ND	21.73791/99.88014	PASS
ISOPROPYL ALCOHOL	5000 µg/g	61.036	14.98202/59.92809	PASS
METHANOL	3000 µg/g	ND	13.43588/59.92809	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.15182/0.59928	PASS
PENTANE	5000 µg/g	ND	33.04035/99.88014	PASS
PROPANE	5000 µg/g	ND	17.07151/59.92809	PASS
TOLUENE	890 µg/g	ND	9.43268/59.92809	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.0799/0.59928	PASS
O-XYLENE		ND	4.46664/29.96404	N/A
P- AND M-XYLENE		ND	4.13903/29.96404	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUL 06, 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 // JUL 04, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.60	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUL 02, 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 // JUL 03, 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 // JUL 03, 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	0.077	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUL 03, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		12.00	N/A

