

## CERTIFICATE OF ANALYSIS

PRODUCED: SEP 23, 2021

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



**BATCH NO.:** GHFSD0907PR  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-210920-085  
**COLLECTED ON:** SEP 20, 2021  
**RECEIVED ON:** SEP 20, 2021  
**BATCH/SAMPLE SIZE:** 2000 U / 13 U  
**PACKAGE SIZE:** 1 G  
**UID:** 1A406030000A308000001338

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>22.36175 %</b>
<b>TOTAL CBD:</b>	<b>0.05705 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>26.57878 %</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 // SEP 22, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.04546 %	0.4546 mg/g	0.01062/0.24145	N/A
CBCA	0.18863 %	1.8863 mg/g	0.03042/0.24145	N/A
CBD	ND	ND	0.01497/0.24145	N/A
CBDA	0.06505 %	0.6505 mg/g	0.00773/0.24145	N/A
CBDV	ND	ND	0.01159/0.24145	N/A
CBDVA	ND	ND	0.00773/0.24145	N/A
CBG	0.10453 %	1.0453 mg/g	0.014/0.24145	N/A
CBGA	0.78305 %	7.8305 mg/g	0.00966/0.24145	N/A
CBN	ND	ND	0.00773/0.24145	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02801/0.24145	N/A
Δ <sup>9</sup> -THC	1.47678 %	14.7678 mg/g	0.02028/0.24145	N/A
THCA	23.81411 %	238.1411 mg/g	0.01449/0.24145	N/A
THCV	ND	ND	0.01594/0.24145	N/A
THCVA	0.10117 %	1.0117 mg/g	0.01111/0.24145	N/A
TOT THC **	22.36175 %	223.6175 mg/g		N/A
TOT CBD **	0.05705 %	0.5705 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	14.77 mg			N/A
TOT CBD/PKG **	0.57 mg			N/A
TOT THC/PKG **	223.62 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // SEP 22, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	0.88915 %	8.8915 mg/g		N/A
β-CARYOPHYLLENE	0.30821 %	3.0821 mg/g	1.88553/137.44355	N/A
α-HUMULENE	0.14786 %	1.4786 mg/g	0.46089/137.44355	N/A
β-MYRCENE	0.11659 %	1.1659 mg/g	0.3736/137.44355	N/A
D-LIMONENE	0.14150 %	1.4150 mg/g	0.24613/137.44355	N/A
LINALOOL	0.09283 %	0.9283 mg/g	0.36429/137.44355	N/A
α-BISABOLOL	0.06065 %	0.6065 mg/g	4.28579/137.44355	N/A
β-PINENE	0.02151 %	0.2151 mg/g	2.22509/137.44355	N/A
α-PINENE	< LOQ	< LOQ	0.2122/137.44355	N/A
α-TERPINENE	ND	ND	0.29563/137.44355	N/A
β-OCIMENE	ND	ND	0.49205/94.83605	N/A
CAMPHENE	ND	ND	0.21345/137.44355	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.45299/137.44355	N/A
EUCALYPTOL	ND	ND	0.46019/137.44355	N/A
γ-TERPINENE	ND	ND	0.46391/137.44355	N/A
GERANIOL	ND	ND	0.28639/137.44355	N/A
GUAIOL	ND	ND	2.68507/137.44355	N/A
ISOPULEGOL	ND	ND	0.53608/137.44355	N/A
α-OCIMENE	ND	ND	1.32698/42.6075	N/A
P-CYMENE	ND	ND	0.26785/137.44355	N/A
TERPINOLENE	ND	ND	0.29068/137.44355	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  
 SEP 23, 2021



## BCL-13: PESTICIDE TESTING BY GC/MS // SEP 22, 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 // SEP 22, 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 // SEP 22, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16583/0.57848	PASS
ACETONE	5000 µg/g	ND	18.66564/57.84805	PASS
ACETONITRILE	410 µg/g	ND	16.56383/57.84805	PASS
BENZENE	1 µg/g	ND	0.07327/0.57848	PASS
BUTANE	5000 µg/g	ND	17.46626/57.84805	PASS
CHLOROFORM	1 µg/g	ND	0.16969/0.57848	PASS
ETHANOL	5000 µg/g	ND	14.31932/57.84805	PASS
ETHYL ACETATE	5000 µg/g	ND	17.68222/57.84805	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18511/0.57848	PASS
ETHYL ETHER	5000 µg/g	ND	15.57655/57.84805	PASS
HEPTANE	5000 µg/g	ND	13.629/57.84805	PASS
HEXANE	290 µg/g	ND	20.98342/96.41342	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.46201/57.84805	PASS
METHANOL	3000 µg/g	ND	12.96953/57.84805	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14655/0.57848	PASS
PENTANE	5000 µg/g	ND	31.89356/96.41342	PASS
PROPANE	5000 µg/g	ND	16.47898/57.84805	PASS
TOLUENE	890 µg/g	ND	9.10528/57.84805	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07713/0.57848	PASS
O-XYLENE		ND	4.31161/28.92403	N/A
P- AND M-XYLENE		ND	3.99537/28.92403	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // SEP 22, 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 // SEP 22, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.57	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // SEP 21, 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 // SEP 22, 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 // SEP 21, 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	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // SEP 21, 2021

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

