

## CERTIFICATE OF ANALYSIS

PRODUCED: JUN 20, 2021

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



**BATCH NO.:** GHFTH0616PR  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-210616-106  
**COLLECTED ON:** JUN 16, 2021  
**RECEIVED ON:** JUN 16, 2021  
**BATCH/SAMPLE SIZE:** 1810 U / 13 U  
**PACKAGE SIZE:** 1 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>21.868 %</b>
<b>TOTAL CBD:</b>	<b>0.05307 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>26.02776 %</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 // JUN 18, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.03977 %	0.3977 mg/g	0.01022/0.23239	N/A
CBCA	0.28720 %	2.8720 mg/g	0.02928/0.23239	N/A
CBD	ND	ND	0.01441/0.23239	N/A
CBDA	0.06051 %	0.6051 mg/g	0.00744/0.23239	N/A
CBDV	ND	ND	0.01115/0.23239	N/A
CBDVA	0.03112 %	0.3112 mg/g	0.00744/0.23239	N/A
CBG	0.14399 %	1.4399 mg/g	0.01348/0.23239	N/A
CBGA	0.64377 %	6.4377 mg/g	0.0093/0.23239	N/A
CBN	< LOQ	< LOQ	0.00744/0.23239	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02696/0.23239	N/A
Δ <sup>9</sup> -THC	1.93878 %	19.3878 mg/g	0.01952/0.23239	N/A
THCA	22.72431 %	227.2431 mg/g	0.01394/0.23239	N/A
THCV	ND	ND	0.01534/0.23239	N/A
THCVA	0.15831 %	1.5831 mg/g	0.01069/0.23239	N/A
TOT THC **	21.86800 %	218.6800 mg/g		N/A
TOT CBD **	0.05307 %	0.5307 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	19.39 mg			N/A
TOT CBD/PKG **	0.53 mg			N/A
TOT THC/PKG **	218.68 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 18, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	1.06304 %	10.6304 mg/g		N/A
β-CARYOPHYLLENE	0.41982 %	4.1982 mg/g	1.86105/135.65891	N/A
α-BISABOLOL	0.16194 %	1.6194 mg/g	4.23014/135.65891	N/A
α-HUMULENE	0.14575 %	1.4575 mg/g	0.45491/135.65891	N/A
D-LIMONENE	0.11174 %	1.1174 mg/g	0.24294/135.65891	N/A
LINALOOL	0.10601 %	1.0601 mg/g	0.35956/135.65891	N/A
GUAIOL	0.05876 %	0.5876 mg/g	2.65021/135.65891	N/A
β-MYRCENE	0.03970 %	0.3970 mg/g	0.36875/135.65891	N/A
β-PINENE	0.01932 %	0.1932 mg/g	2.1962/135.65891	N/A
α-PINENE	< LOQ	< LOQ	0.20944/135.65891	N/A
α-TERPINENE	ND	ND	0.29179/135.65891	N/A
β-OCIMENE	ND	ND	0.48566/93.60465	N/A
CAMPHENE	ND	ND	0.21068/135.65891	N/A
α-OCIMENE	ND	ND	1.30975/42.05426	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.4471/135.65891	N/A
EUCALYPTOL	ND	ND	0.45421/135.65891	N/A
γ-TERPINENE	ND	ND	0.45789/135.65891	N/A
GERANIOL	ND	ND	0.28267/135.65891	N/A
ISOPULEGOL	ND	ND	0.52912/135.65891	N/A
P-CYMENE	ND	ND	0.26437/135.65891	N/A
TERPINOLENE	ND	ND	0.28691/135.65891	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  
 JUN 20, 2021



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 19, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01153/0.04	PASS	MALATHION	0.5 µg/g	ND	0.00472/0.02	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS	METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS	METHIOCARB	Any amt	ND	0.00503/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS	METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS	MEVINPHOS	Any amt	ND		PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS	MEVINPHOS I		ND	0.00163/0.0084	N/A
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS	MEVINPHOS II		ND	0.00542/0.0316	N/A
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS	NALED	0.1 µg/g	ND	0.00328/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS	OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS	PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS	PERMETHRIN	0.5 µg/g	ND		PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS	PERMETHRIN CIS		ND	0.00237/0.0082	N/A
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS	PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS	PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.00247/0.02	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS	PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS	PROPOXUR	Any amt	ND	0.00374/0.02	PASS
DIMETHOMORPH	2 µg/g	ND		PASS	PYRETHRINS	0.5 µg/g	ND	0.00726/0.04	PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A	PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
DIMETHOMORPH II		ND	0.0015/0.0122	N/A	SPINETORAM	0.1 µg/g	ND		PASS
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS	SPINETORAM J		ND	0.00329/0.016	N/A
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS	SPINETORAM L		ND	0.00157/0.016	N/A
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS	SPINOSAD	0.1 µg/g	ND		PASS
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS	SPINOSAD A		ND	0.00205/0.01438	N/A
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS	SPINOSAD D		ND	0.00104/0.00498	N/A
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS	SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS	THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS	THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00421/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS					

## BCL-13: PESTICIDE TESTING BY GC/MS // JUN 19, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.01977/0.06	PASS	CHLORPYRIFOS	Any amt	ND	0.01653/0.06	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.01165/0.06	PASS
CHLORDANE CIS		ND	0.01199/0.03	N/A	METHYL PARATHION	Any amt	ND	0.00851/0.06	PASS
CHLORDANE TRANS		ND	0.01082/0.03	N/A	PENTACHLORONITROBENZENE	0.1 µg/g	ND	0.01282/0.06	PASS
CHLORFENAPYR	Any amt	ND	0.01364/0.06	PASS					



## BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JUN 18, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16577/0.57826	PASS
ACETONE	5000 µg/g	ND	18.65844/57.82575	PASS
ACETONITRILE	410 µg/g	ND	16.55744/57.82575	PASS
BENZENE	1 µg/g	ND	0.07325/0.57826	PASS
BUTANE	5000 µg/g	ND	17.45952/57.82575	PASS
CHLOROFORM	1 µg/g	ND	0.16962/0.57826	PASS
ETHANOL	5000 µg/g	ND	14.3138/57.82575	PASS
ETHYL ACETATE	5000 µg/g	ND	17.6754/57.82575	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18504/0.57826	PASS
ETHYL ETHER	5000 µg/g	ND	15.57055/57.82575	PASS
HEPTANE	5000 µg/g	ND	13.62375/57.82575	PASS
HEXANE	290 µg/g	ND	20.97533/96.37625	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.45644/57.82575	PASS
METHANOL	3000 µg/g	ND	12.96453/57.82575	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14649/0.57826	PASS
PENTANE	5000 µg/g	ND	31.88126/96.37625	PASS
PROPANE	5000 µg/g	ND	16.47263/57.82575	PASS
TOLUENE	890 µg/g	ND	9.10177/57.82575	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.0771/0.57826	PASS
O-XYLENE		ND	4.30995/28.91288	N/A
P- AND M-XYLENE		ND	3.99383/28.91288	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUN 19, 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 // JUN 17, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.54	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 17, 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 // JUN 18, 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 // JUN 18, 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	0.054	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

## BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUN 17, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		9.20	N/A

