

## CERTIFICATE OF ANALYSIS

PRODUCED: FEB 13, 2022

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



**BATCH NO.:** GHFGS0207PR  
**METRC UID:** 1A406030000A423000004729  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220210-081  
**COLLECTED ON:** FEB 10, 2022  
**RECEIVED ON:** FEB 10, 2022  
**BATCH/SAMPLE SIZE:** 1865 UNITS / 13 UNITS  
**PACKAGE SIZE:** 1 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>30.5654 %</b>
<b>TOTAL CBD:</b>	<b>0.08897 %</b>
<b>SUM OF CANNABINOIDS:</b>	<b>36.66103 %</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 // FEB 12, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.02544 %	0.2544 mg/g	0.01062/0.24145	N/A
CBCA	0.34120 %	3.4120 mg/g	0.03042/0.24145	N/A
CBD	ND	ND	0.01497/0.24145	N/A
CBDA	0.10145 %	1.0145 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	0.08898 %	0.8898 mg/g	0.014/0.24145	N/A
CBGA	1.28508 %	12.8508 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	1.39195 %	13.9195 mg/g	0.02028/0.24145	N/A
THCA	33.26505 %	332.6505 mg/g	0.01449/0.24145	N/A
THCV	ND	ND	0.01594/0.24145	N/A
THCVA	0.16188 %	1.6188 mg/g	0.01111/0.24145	N/A
TOT THC **	30.56540 %	305.6540 mg/g		N/A
TOT CBD **	0.08897 %	0.8897 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	13.92 mg			N/A
TOT CBD/PKG **	0.89 mg			N/A
TOT THC/PKG **	305.65 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // FEB 12, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.50354 %	15.0354 mg/g		N/A
D-LIMONENE	0.28436 %	2.8436 mg/g	0.00024/0.13519	N/A
α-HUMULENE	0.25287 %	2.5287 mg/g	0.00045/0.13519	N/A
β-MYRCENE	0.14469 %	1.4469 mg/g	0.00037/0.13519	N/A
β-CARYOPHYLLENE	0.64030 %	6.4030 mg/g	0.00185/0.13519	N/A
α-BISABOLOL	0.06740 %	0.6740 mg/g	0.00422/0.13519	N/A
LINALOOL	0.04620 %	0.4620 mg/g	0.00036/0.13519	N/A
β-PINENE	0.04216 %	0.4216 mg/g	0.00219/0.13519	N/A
α-PINENE	0.02556 %	0.2556 mg/g	0.00021/0.13519	N/A
CAMPHENE	< LOQ	< LOQ	0.00021/0.13519	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.13519	N/A
α-TERPINENE	ND	ND	0.00029/0.13519	N/A
β-OCIMENE	ND	ND	0.00048/0.09328	N/A
α-OCIMENE	ND	ND	0.00131/0.04191	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00045/0.13519	N/A
EUCALYPTOL	ND	ND	0.00045/0.13519	N/A
γ-TERPINENE	ND	ND	0.00046/0.13519	N/A
GERANIOL	ND	ND	0.00028/0.13519	N/A
GUAIOL	ND	ND	0.00264/0.13519	N/A
ISOPULEGOL	ND	ND	0.00053/0.13519	N/A
P-CYMENE	ND	ND	0.00026/0.13519	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.

**RESULTS CERTIFIED BY:** CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 FEB 13, 2022



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // FEB 12, 2022

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 // FEB 12, 2022

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	PENTACHLORONI-TROBENZENE	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 // FEB 12, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16942/0.59102	PASS
ACETONE	5000 µg/g	ND	19.07013/59.10165	PASS
ACETONITRILE	410 µg/g	ND	16.92277/59.10165	PASS
BENZENE	1 µg/g	ND	0.07486/0.59102	PASS
BUTANE	5000 µg/g	ND	17.84476/59.10165	PASS
CHLOROFORM	1 µg/g	ND	0.17336/0.59102	PASS
ETHANOL	5000 µg/g	ND	14.62963/59.10165	PASS
ETHYL ACETATE	5000 µg/g	ND	18.06541/59.10165	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18913/0.59102	PASS
ETHYL ETHER	5000 µg/g	ND	15.91411/59.10165	PASS
HEPTANE	5000 µg/g	ND	13.92435/59.10165	PASS
HEXANE	290 µg/g	ND	21.43814/98.50276	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.77541/59.10165	PASS
METHANOL	3000 µg/g	ND	13.25059/59.10165	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14972/0.59102	PASS
PENTANE	5000 µg/g	ND	32.58471/98.50276	PASS
PROPANE	5000 µg/g	ND	16.83609/59.10165	PASS
TOLUENE	890 µg/g	ND	9.3026/59.10165	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.0788/0.59102	PASS
O-XYLENE		ND	4.40504/29.55083	N/A
P- AND M-XYLENE		ND	4.08195/29.55083	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // FEB 12, 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 // FEB 11, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.43	PASS

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // FEB 10, 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 // FEB 12, 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 // FEB 11, 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 // FEB 11, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		11.70	N/A

