

## CERTIFICATE OF ANALYSIS

PRODUCED: SEP 28, 2021

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



**BATCH NO.:** GHFSTAR0921MP  
**METRC UID:** 1A406030000A308000001388  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-210924-104  
**COLLECTED ON:** SEP 24, 2021  
**RECEIVED ON:** SEP 24, 2021  
**BATCH/SAMPLE SIZE:** 1900 U / 13 U  
**PACKAGE SIZE:** 2.5 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>31.72729 %</b>
<b>TOTAL CBD:</b>	<b>0.49447 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>38.41871 %</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 26, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.01094/0.24856	N/A
BCA	0.33032 %	3.3032 mg/g	0.03132/0.24856	N/A
CBD	ND	ND	0.01541/0.24856	N/A
CBDA	0.56382 %	5.6382 mg/g	0.00795/0.24856	N/A
CBDV	ND	ND	0.01193/0.24856	N/A
CBDVA	ND	ND	0.00795/0.24856	N/A
CBG	0.10076 %	1.0076 mg/g	0.01442/0.24856	N/A
CBGA	1.19109 %	11.9109 mg/g	0.00994/0.24856	N/A
CBN	ND	ND	0.00795/0.24856	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02883/0.24856	N/A
Δ <sup>9</sup> -THC	0.83474 %	8.3474 mg/g	0.02088/0.24856	N/A
THCA	35.22526 %	352.2526 mg/g	0.01491/0.24856	N/A
THCV	ND	ND	0.0164/0.24856	N/A
THCVA	0.17272 %	1.7272 mg/g	0.01143/0.24856	N/A
TOT THC **	31.72729 %	317.2729 mg/g		N/A
TOT CBD **	0.49447 %	4.9447 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	20.87 mg			N/A
TOT CBD/PKG **	12.36 mg			N/A
TOT THC/PKG **	793.18 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // SEP 26, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	1.35350 %	13.5350 mg/g		N/A
β-CARYOPHYLLENE	0.51374 %	5.1374 mg/g	1.86793/136.16028	N/A
D-LIMONENE	0.26846 %	2.6846 mg/g	0.24384/136.16028	N/A
α-HUMULENE	0.20921 %	2.0921 mg/g	0.45659/136.16028	N/A
β-MYRCENE	0.17470 %	1.7470 mg/g	0.37011/136.16028	N/A
α-BISABOLOL	0.07055 %	0.7055 mg/g	4.24578/136.16028	N/A
LINALOOL	0.05107 %	0.5107 mg/g	0.36089/136.16028	N/A
β-PINENE	0.04148 %	0.4148 mg/g	2.20431/136.16028	N/A
α-PINENE	0.02429 %	0.2429 mg/g	0.21022/136.16028	N/A
CAMPHENE	< LOQ	< LOQ	0.21146/136.16028	N/A
α-TERPINENE	ND	ND	0.29287/136.16028	N/A
β-OCIMENE	ND	ND	0.48745/93.95059	N/A
α-OCIMENE	ND	ND	1.31459/42.20969	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.44876/136.16028	N/A
EUCALYPTOL	ND	ND	0.45589/136.16028	N/A
γ-TERPINENE	ND	ND	0.45958/136.16028	N/A
GERANIOL	ND	ND	0.28372/136.16028	N/A
GUAIOL	ND	ND	2.66/136.16028	N/A
ISOPULEGOL	ND	ND	0.53108/136.16028	N/A
P-CYMENE	ND	ND	0.26535/136.16028	N/A
TERPINOLENE	ND	ND	0.28797/136.16028	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 28, 2021



## BCL-13: PESTICIDE TESTING BY GC/MS // SEP 27, 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 27, 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 26, 2021

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16745/0.58411	PASS
ACETONE	5000 µg/g	ND	18.84735/58.41121	PASS
ACETONITRILE	410 µg/g	ND	16.72508/58.41121	PASS
BENZENE	1 µg/g	ND	0.07399/0.58411	PASS
BUTANE	5000 µg/g	ND	17.63629/58.41121	PASS
CHLOROFORM	1 µg/g	ND	0.17134/0.58411	PASS
ETHANOL	5000 µg/g	ND	14.45872/58.41121	PASS
ETHYL ACETATE	5000 µg/g	ND	17.85436/58.41121	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18692/0.58411	PASS
ETHYL ETHER	5000 µg/g	ND	15.72819/58.41121	PASS
HEPTANE	5000 µg/g	ND	13.76168/58.41121	PASS
HEXANE	290 µg/g	ND	21.18769/97.35202	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.6028/58.41121	PASS
METHANOL	3000 µg/g	ND	13.09579/58.41121	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14798/0.58411	PASS
PENTANE	5000 µg/g	ND	32.20405/97.35202	PASS
PROPANE	5000 µg/g	ND	16.63941/58.41121	PASS
TOLUENE	890 µg/g	ND	9.19393/58.41121	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07788/0.58411	PASS
O-XYLENE		ND	4.35358/29.20561	N/A
P- AND M-XYLENE		ND	4.03427/29.20561	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

## BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // SEP 27, 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 25, 2021

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

## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // SEP 25, 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 27, 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 25, 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 25, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.20	N/A

