

## CERTIFICATE OF ANALYSIS

PRODUCED: APR 22, 2022

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



**BATCH NO.:** GHFGS0401PR  
**METRC UID:** 1A406030003DC49000000614  
**MATRIX:** PRE-ROLL  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220420-034  
**COLLECTED ON:** APR 20, 2022  
**RECEIVED ON:** APR 20, 2022  
**BATCH/SAMPLE SIZE:** 1670 UNITS / 13 UNITS  
**PACKAGE SIZE:** 1 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>27.71445 %</b>
<b>TOTAL CBD:</b>	<b>0.09228 %</b>
<b>SUM OF CANNABINOIDS:</b>	<b>33.31895 %</b>

### CULTIVATOR INFO

**CULTIVATOR**  
MISSION HEALTH ASSOCIATES, INC.  
DBA GLASS HOUSE FARMS  
2211 DAMON STREET  
LOS ANGELES, CA 9002

**LICENSE**  
CCL18-0003034  
ADULT-USE - CULTIVATOR LICENSE

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
ALKHEMIST DM LLC  
2211 DAMON STREET  
LOS ANGELES, CA 9002

**LICENSE**  
C11-0001456-LIC  
ADULT-USE - DISTRIBUTOR LICENSE



### BCL-03: CANNABINOID POTENCY BY HPLC-UV // APR 22, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.01092/0.24826	N/A
CBCA	0.33693 %	3.3693 mg/g	0.03128/0.24826	N/A
CBD	ND	ND	0.01539/0.24826	N/A
CBDA	0.10522 %	1.0522 mg/g	0.00794/0.24826	N/A
CBDV	ND	ND	0.01192/0.24826	N/A
CBDVA	ND	ND	0.00794/0.24826	N/A
CBG	0.11446 %	1.1446 mg/g	0.0144/0.24826	N/A
CBGA	1.19558 %	11.9558 mg/g	0.00993/0.24826	N/A
CBN	ND	ND	0.00794/0.24826	N/A
Δ <sup>8</sup> -THC	ND	ND	0.0288/0.24826	N/A
Δ <sup>9</sup> -THC	1.28549 %	12.8549 mg/g	0.02085/0.24826	N/A
THCA	30.13564 %	301.3564 mg/g	0.0149/0.24826	N/A
THCV	ND	ND	0.01639/0.24826	N/A
THCVA	0.14563 %	1.4563 mg/g	0.01142/0.24826	N/A
TOT THC**	27.71445 %	277.1445 mg/g		N/A
TOT CBD**	0.09228 %	0.9228 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	12.85 mg			N/A
TOT CBD/PKG**	0.92 mg			N/A
TOT THC/PKG**	277.14 mg			N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // APR 22, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.00737 %	10.0737 mg/g		N/A
β-CARYOPHYLLENE	0.38149 %	3.8149 mg/g	0.00185/0.13514	N/A
D-LIMONENE	0.25279 %	2.5279 mg/g	0.00024/0.13514	N/A
α-HUMULENE	0.15279 %	1.5279 mg/g	0.00045/0.13514	N/A
β-MYRCENE	0.07424 %	0.7424 mg/g	0.00037/0.13514	N/A
α-BISABOLOL	0.04942 %	0.4942 mg/g	0.00421/0.13514	N/A
LINALOOL	0.03742 %	0.3742 mg/g	0.00036/0.13514	N/A
β-PINENE	0.03741 %	0.3741 mg/g	0.00219/0.13514	N/A
α-PINENE	0.02181 %	0.2181 mg/g	0.00021/0.13514	N/A
CAMPHERE	< LOQ	< LOQ	0.00021/0.13514	N/A
α-TERPINENE	ND	ND	0.00029/0.13514	N/A
β-OCIMENE	ND	ND	0.00048/0.09324	N/A
α-OCIMENE	ND	ND	0.0013/0.04189	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00045/0.13514	N/A
EUCALYPTOL	ND	ND	0.00045/0.13514	N/A
γ-TERPINENE	ND	ND	0.00046/0.13514	N/A
GERANIOL	ND	ND	0.00028/0.13514	N/A
GUAIOL	ND	ND	0.00264/0.13514	N/A
ISOPULEGOL	ND	ND	0.00053/0.13514	N/A
P-CYMENE	ND	ND	0.00026/0.13514	N/A
TERPINOLENE	ND	ND	0.00029/0.13514	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  
APR 22, 2022



# REGULATORY COMPLIANCE TESTING

## BCL-13: PESTICIDE TESTING BY GC/MS // APR 22, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03077/0.09319	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01088/0.033	N/A
CHLORDANE TRANS		ND	0.01041/0.03147	N/A
CHLORFENAPYR	Any amt	ND	0.02346/0.07102	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01094/0.03323	PASS
DICHLORVOS	Any amt	ND	0.01152/0.03493	PASS
METHYL PARATHION	Any amt	ND	0.01322/0.04007	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01375/0.04171	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 22, 2022

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
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
PIPERONYLBUTO-XIDE	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		PASS
PYRETHRINS PYRETHRIN I		ND	0.00726/0.04	N/A
PYRETHRINS PYRETHRIN II		ND	0.00754/0.02284	N/A
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
TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.00421/0.02	PASS



MALATHION      0.5 µg/g      ND      0.00472/0.02      PASS

**BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // APR 22, 2022**

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.17097/0.59642	PASS
ACETONE	5000 µg/g	ND	19.24453/59.64215	PASS
ACETONITRILE	410 µg/g	ND	17.07753/59.64215	PASS
BENZENE	1 µg/g	ND	0.07555/0.59642	PASS
BUTANE	5000 µg/g	ND	18.00795/59.64215	PASS
CHLOROFORM	1 µg/g	ND	0.17495/0.59642	PASS
ETHANOL	5000 µg/g	ND	14.76342/59.64215	PASS
ETHYL ACETATE	5000 µg/g	ND	18.23062/59.64215	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.19085/0.59642	PASS
ETHYL ETHER	5000 µg/g	ND	16.05964/59.64215	PASS
HEPTANE	5000 µg/g	ND	14.05169/59.64215	PASS
HEXANE	290 µg/g	ND	21.63419/99.40358	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.91054/59.64215	PASS
METHANOL	3000 µg/g	ND	13.37177/59.64215	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.15109/0.59642	PASS
PENTANE	5000 µg/g	ND	32.8827/99.40358	PASS
PROPANE	5000 µg/g	ND	16.99006/59.64215	PASS
TOLUENE	890 µg/g	ND	9.38767/59.64215	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07952/0.59642	PASS
O-XYLENE		ND	4.44533/29.82107	N/A
P- AND M-XYLENE		ND	4.11928/29.82107	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

**BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // APR 22, 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 // APR 21, 2022**

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.48	PASS

**BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 21, 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 // APR 22, 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 // APR 22, 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 // APR 21, 2022**

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		7.60	N/A

