

CERTIFICATE OF ANALYSIS

PRODUCED: JUL 28, 2022

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



BATCH NO.: GHFGS0714MP  
METRC UID: 1A4060300036B66000002849  
MATRIX: PRE-ROLL  
CATEGORY: INHALABLE  
SAMPLE ID: BCL-220725-169  
COLLECTED ON: JUL 25, 2022  
RECEIVED ON: JUL 25, 2022  
BATCH/SAMPLE SIZE: 1620 UNITS / 13 UNITS  
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

TOTAL THC:	25.10287 %
TOTAL CBD:	0.0672 %
SUM OF CANNABINOIDS:	29.97185 %

CULTIVATOR INFO

**CULTIVATOR**  
MISSION HEALTH ASSOCIATES, INC.  
DBA GLASS HOUSE FARMS  
5601 CASITAS PASS RD  
CARPINTERIA, CA 93013  
**LICENSE**  
CCL18-0003034  
ADULT-USE - CULTIVATOR LICENSE

DISTRIBUTOR INFO

**DISTRIBUTOR**  
ALKHEMIST DM LLC  
2211 DAMON STREET  
LOS ANGELES, CA 90021  
**LICENSE**  
C11-0001456-LIC  
ADULT-USE - DISTRIBUTOR LICENSE



BCL-03: CANNABINOID POTENCY BY HPLC-UV // JUL 27, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.05222 %	0.5222 mg/g	0.01089/0.24757	N/A
CBCA	0.27154 %	2.7154 mg/g	0.03119/0.24757	N/A
CBD	ND	ND	0.01535/0.24757	N/A
CBDA	0.07663 %	0.7663 mg/g	0.00792/0.24757	N/A
CBDV	ND	ND	0.01188/0.24757	N/A
CBDVA	ND	ND	0.00792/0.24757	N/A
CBG	0.11492 %	1.1492 mg/g	0.01436/0.24757	N/A
CBGA	1.03785 %	10.3785 mg/g	0.0099/0.24757	N/A
CBN	< LOQ	< LOQ	0.00792/0.24757	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02872/0.24757	N/A
Δ <sup>9</sup> -THC	2.37486 %	23.7486 mg/g	0.0208/0.24757	N/A
THCA	25.91563 %	259.1563 mg/g	0.01485/0.24757	N/A
THCV	ND	ND	0.01634/0.24757	N/A
THCVA	0.12820 %	1.2820 mg/g	0.01139/0.24757	N/A
TOT THC**	25.10287 %	251.0287 mg/g		N/A
TOT CBD**	0.06720 %	0.6720 mg/g		N/A
CBD/PKG	ND			N/A
Δ <sup>9</sup> -THC/PKG	59.37 mg			N/A
TOT CBD/PKG**	1.68 mg			N/A
TOT THC/PKG**	627.57 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUL 27, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.77868 %	7.7868 mg/g		N/A
β-CARYOPHYLLENE	0.37582 %	3.7582 mg/g	0.00189/0.13812	N/A
α-HUMULENE	0.15384 %	1.5384 mg/g	0.00046/0.13812	N/A
D-LIMONENE	0.09848 %	0.9848 mg/g	0.00025/0.13812	N/A
α-BISABOLOL	0.05605 %	0.5605 mg/g	0.00431/0.13812	N/A
β-MYRCENE	0.04679 %	0.4679 mg/g	0.00038/0.13812	N/A
LINALOOL	0.03271 %	0.3271 mg/g	0.00037/0.13812	N/A
β-PINENE	0.01499 %	0.1499 mg/g	0.00224/0.13812	N/A
α-PINENE	< LOQ	< LOQ	0.00021/0.13812	N/A
GUAJOL	ND	ND	0.0027/0.13812	N/A
TERPINOLENE	ND	ND	0.00029/0.13812	N/A
P-CYMENE	ND	ND	0.00027/0.13812	N/A
ISOPULEGOL	ND	ND	0.00054/0.13812	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00046/0.13812	N/A
GERANIOL	ND	ND	0.00029/0.13812	N/A
γ-TERPINENE	ND	ND	0.00047/0.13812	N/A
EUCALYPTOL	ND	ND	0.00046/0.13812	N/A
CIS-β-OCIMENE	ND	ND	0.00133/0.04282	N/A
CAMPHERE	ND	ND	0.00021/0.13812	N/A
α-TERPINENE	ND	ND	0.0003/0.13812	N/A
TRANS-β-OCIMENE	ND	ND	0.00049/0.0953	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. ALL DECISION RULES ARE ESTABLISHED BY THE DCC.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.  
SCIENCE DIRECTOR, BELCOSTA LABS  
JUL 28, 2022



## BCL-13: PESTICIDE TESTING BY GC/MS // JUL 27, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03099/0.09385	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01096/0.03323	N/A
CHLORDANE TRANS		ND	0.01049/0.0317	N/A
CHLORFENAPYR	Any amt	ND	0.02363/0.07152	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01102/0.03346	PASS
DICHLORVOS	Any amt	ND	0.01161/0.03517	PASS
METHYL PARATHION	Any amt	ND	0.01332/0.04036	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01385/0.04201	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUL 27, 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 // JUL 27, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.17166/0.5988	PASS
ACETONE	5000 µg/g	ND	19.32136/59.88024	PASS
ACETONITRILE	410 µg/g	ND	17.14571/59.88024	PASS
BENZENE	1 µg/g	ND	0.07585/0.5988	PASS
BUTANE	5000 µg/g	ND	18.07984/59.88024	PASS
CHLOROFORM	1 µg/g	ND	0.17565/0.5988	PASS
ETHANOL	5000 µg/g	ND	14.82236/59.88024	PASS
ETHYL ACETATE	5000 µg/g	ND	18.30339/59.88024	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.19162/0.5988	PASS
ETHYL ETHER	5000 µg/g	ND	16.12375/59.88024	PASS
HEPTANE	5000 µg/g	ND	14.10778/59.88024	PASS
HEXANE	290 µg/g	ND	21.72056/99.8004	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.97006/59.88024	PASS
METHANOL	3000 µg/g	ND	13.42515/59.88024	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.1517/0.5988	PASS
PENTANE	5000 µg/g	ND	33.01397/99.8004	PASS
PROPANE	5000 µg/g	ND	17.05788/59.88024	PASS
TOLUENE	890 µg/g	ND	9.42515/59.88024	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07984/0.5988	PASS
O-XYLENE		ND	4.46307/29.94012	N/A
P- AND M-XYLENE		ND	4.13573/29.94012	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

### BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUL 27, 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 // JUL 27, 2022

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

### BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUL 26, 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 // JUL 28, 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 // JUL 27, 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	0.070	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

### BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUL 26, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		8.70	N/A

