

CERTIFICATE OF ANALYSIS

PRODUCED: JUL 17, 2022

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



BATCH NO.: GHFGS0608PR
METRC UID: 1A406030003DC49000002939
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220712-172
COLLECTED ON: JUL 12, 2022
RECEIVED ON: JUL 12, 2022
BATCH/SAMPLE SIZE: 1566 UNITS / 13 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	27.21886 %
TOTAL CBD:	0.05993 %
SUM OF CANNABINOIDS:	32.51674 %

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 15, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.04339 %	0.4339 mg/g	0.00996/0.22637	N/A
CBCA	0.26432 %	2.6432 mg/g	0.02852/0.22637	N/A
CBD	ND	ND	0.01403/0.22637	N/A
CBDA	0.06833 %	0.6833 mg/g	0.00724/0.22637	N/A
CBDV	ND	ND	0.01087/0.22637	N/A
CBDVA	ND	ND	0.00724/0.22637	N/A
CBG	0.12216 %	1.2216 mg/g	0.01313/0.22637	N/A
CBGA	1.20151 %	12.0151 mg/g	0.00905/0.22637	N/A
CBN	< LOQ	< LOQ	0.00724/0.22637	N/A
Δ ⁸ -THC	ND	ND	0.02626/0.22637	N/A
Δ ⁹ -THC	2.57505 %	25.7505 mg/g	0.01901/0.22637	N/A
THCA	28.10012 %	281.0012 mg/g	0.01358/0.22637	N/A
THCV	ND	ND	0.01494/0.22637	N/A
THCVA	0.14186 %	1.4186 mg/g	0.01041/0.22637	N/A
TOT THC**	27.21886 %	272.1886 mg/g		N/A
TOT CBD**	0.05993 %	0.5993 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	25.75 mg			N/A
TOT CBD/PKG**	0.60 mg			N/A
TOT THC/PKG**	272.19 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUL 15, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.81736 %	8.1736 mg/g		N/A
β-CARYOPHYLLENE	0.37759 %	3.7759 mg/g	0.00189/0.13804	N/A
α-HUMULENE	0.15712 %	1.5712 mg/g	0.00046/0.13804	N/A
D-LIMONENE	0.12927 %	1.2927 mg/g	0.00025/0.13804	N/A
β-MYRCENE	0.05509 %	0.5509 mg/g	0.00038/0.13804	N/A
α-BISABOLOL	0.05197 %	0.5197 mg/g	0.0043/0.13804	N/A
LINALOOL	0.02795 %	0.2795 mg/g	0.00037/0.13804	N/A
β-PINENE	0.01837 %	0.1837 mg/g	0.00223/0.13804	N/A
α-PINENE	< LOQ	< LOQ	0.00021/0.13804	N/A
CAMPHENE	< LOQ	< LOQ	0.00021/0.13804	N/A
GUAIOL	ND	ND	0.0027/0.13804	N/A
TERPINOLENE	ND	ND	0.00029/0.13804	N/A
P-CYMENE	ND	ND	0.00027/0.13804	N/A
ISOPULEGOL	ND	ND	0.00054/0.13804	N/A
Δ ³ -CARENE	ND	ND	0.00045/0.13804	N/A
GERANIOL	ND	ND	0.00029/0.13804	N/A
γ-TERPINENE	ND	ND	0.00047/0.13804	N/A
EUCALYPTOL	ND	ND	0.00046/0.13804	N/A
CIS-β-OCIMENE	ND	ND	0.00133/0.04279	N/A
α-TERPINENE	ND	ND	0.0003/0.13804	N/A
TRANS-β-OCIMENE	ND	ND	0.00049/0.09525	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 17, 2022



BCL-13: PESTICIDE TESTING BY GC/MS // JUL 14, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03138/0.09505	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01111/0.03365	N/A
CHLORDANE TRANS		ND	0.01062/0.0321	N/A
CHLORFENAPYR	Any amt	ND	0.02393/0.07243	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01116/0.03389	PASS
DICHLORVOS	Any amt	ND	0.01175/0.03562	PASS
METHYL PARATHION	Any amt	ND	0.01348/0.04087	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01402/0.04254	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUL 14, 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 14, 2022

ANALYTE	LIMIT AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND 0.16226/0.56604	PASS
ACETONE	5000 µg/g	ND 18.26415/56.60377	PASS
ACETONITRILE	410 µg/g	ND 16.20755/56.60377	PASS
BENZENE	1 µg/g	ND 0.0717/0.56604	PASS
BUTANE	5000 µg/g	ND 17.09057/56.60377	PASS
CHLOROFORM	1 µg/g	ND 0.16604/0.56604	PASS
ETHANOL	5000 µg/g	ND 14.01132/56.60377	PASS
ETHYL ACETATE	5000 µg/g	ND 17.30189/56.60377	PASS
ETHYLENE OXIDE	1 µg/g	ND 0.18113/0.56604	PASS
ETHYL ETHER	5000 µg/g	ND 15.24151/56.60377	PASS
HEPTANE	5000 µg/g	ND 13.33585/56.60377	PASS
HEXANE	290 µg/g	ND 20.53208/94.33962	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND 14.15094/56.60377	PASS
METHANOL	3000 µg/g	ND 12.69057/56.60377	PASS
METHYLENE CHLORIDE	1 µg/g	ND 0.1434/0.56604	PASS
PENTANE	5000 µg/g	ND 31.20755/94.33962	PASS
PROPANE	5000 µg/g	ND 16.12453/56.60377	PASS
TOLUENE	890 µg/g	ND 8.90943/56.60377	PASS
TRICHLOROETHYLENE	1 µg/g	ND 0.07547/0.56604	PASS
O-XYLENE		ND 4.21887/28.30189	N/A
P- AND M-XYLENE		ND 3.90943/28.30189	N/A
TOTAL XYLENES	2170 µg/g	ND	PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JUL 14, 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 13, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.49	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUL 12, 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 14, 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 14, 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 // JUL 13, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		8.50	N/A

