

CERTIFICATE OF ANALYSIS

PRODUCED: APR 29, 2024

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



BATCH NO.: GHFGS0416MPNEW
METRC UID: 1A406030003DC49000112821
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-240425-037
COLLECTED ON: APR 25, 2024
RECEIVED ON: APR 25, 2024
BATCH/SAMPLE SIZE: 618 UNITS / 8 UNITS
PACKAGE SIZE: 3.5 G

CANNABINOID OVERVIEW

TOTAL THC:	21.30315 %
TOTAL CBD:	0.06281 %
TOTAL CANNABINOIDS ^{††} :	21.51198 %
SUM OF CANNABINOIDS [†] :	24.45083 %

CULTIVATOR INFO

CULTIVATOR
GLASS HOUSE CAMARILLO
CULTIVATION LLC
645 LAGUNA RD
CAMARILLO, CA 93012

LICENSE
CCL21-0005102
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-28: DETERMINATION OF CANNABINOIDS CONCENTRATION BY HPLC FOR DRIED FLOWER INCLUDING NON-INFUSED PRE-ROLLS // APR 27, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.02625 %	0.2625 mg/g	0.0044/0.09995	N/A
CBD	ND	ND	0.0062/0.09995	N/A
CBDA	0.07162 %	0.7162 mg/g	0.0032/0.09995	N/A
CBG	0.11977 %	1.1977 mg/g	0.0058/0.09995	N/A
CBN	< LOQ	< LOQ	0.0032/0.09995	N/A
Δ ⁸ -THC	ND	ND	0.01159/0.09995	N/A
Δ ⁹ -THC	0.41170 %	4.1170 mg/g	0.0084/0.09995	N/A
THCA	23.82149 %	238.2149 mg/g	0.11994/1.999	N/A
THCV	ND	ND	0.0066/0.09995	N/A
TOT THC**	21.30315 %	213.0315 mg/g	N/A	N/A
TOT CBD**	0.06281 %	0.6281 mg/g	N/A	N/A
CBD/PKG	ND	N/A	N/A	N/A
Δ ⁹ -THC/PKG	14.41 mg	N/A	N/A	N/A
TOT THC/PKG**	745.61 mg	N/A	N/A	N/A
TOT CBD/PKG**	2.20 mg	N/A	N/A	N/A

DRY-WEIGHT AMOUNTS SHOWN

** TOTAL THC = DELTA-8-THC + (DELTA-8-THCA X 0.877) + DELTA-9-THC + (THCA X 0.877)

** TOTAL CBD = CBD + (CBDA X 0.877)

† SUM OF CANNABINOIDS = CBC + CBD + CBDA + CBG + CBN + DELTA-8-THC + DELTA-9-THC + THCA + THCV

†† TOTAL CANNABINOIDS = (CBC + CBD + CBG + CBN + DELTA-8-THC + DELTA-9-THC + THCV) + (0.877 * (CBDA + THCA))

BCL-09: TERPENOID TESTING BY HS-GC/FID // APR 29, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.95014 %	9.5014 mg/g		N/A
D-LIMONENE	0.26812 %	2.6812 mg/g	0.00024/0.13343	N/A
β-CARYOPHYLLENE	0.25196 %	2.5196 mg/g	0.00183/0.13343	N/A
β-MYRCENE	0.13756 %	1.3756 mg/g	0.00036/0.13343	N/A
α-HUMULENE	0.11687 %	1.1687 mg/g	0.00045/0.13343	N/A
α-BISABOLOL	0.05711 %	0.5711 mg/g	0.00416/0.13343	N/A
LINALOOL	0.04930 %	0.4930 mg/g	0.00035/0.13343	N/A
β-PINENE	0.04371 %	0.4371 mg/g	0.00216/0.13343	N/A
α-PINENE	0.02551 %	0.2551 mg/g	0.00021/0.13343	N/A
CAMPHERE	< LOQ	< LOQ	0.00021/0.13343	N/A
CIS-β-OCIMENE	< LOQ	< LOQ	0.00129/0.04136	N/A
GUAJOL	< LOQ	< LOQ	0.00261/0.13343	N/A
TERPINOLENE	< LOQ	< LOQ	0.00028/0.13343	N/A
α-TERPINENE	ND	ND	0.00029/0.13343	N/A
Δ ³ -CARENE	ND	ND	0.00044/0.13343	N/A
EUCALYPTOL	ND	ND	0.00045/0.13343	N/A
γ-TERPINENE	ND	ND	0.00045/0.13343	N/A
GERANIOL	ND	ND	0.00028/0.13343	N/A
ISOPULEGOL	ND	ND	0.00052/0.13343	N/A
P-CYME	ND	ND	0.00026/0.13343	N/A
TRANS-β-OCIMENE	ND	ND	0.00048/0.09207	N/A



LABORATORY PERFORMED SAMPLING AS PER BCL-01 AT 2211 DAMON STREET, LOS ANGELES, CA 90021. THE RESULTS RELATE ONLY TO THE ITEMS TESTED. 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: DZOANA KLISARA, B.SC.
LABORATORY DIRECTOR, BELCOSTA LABS
APR 29, 2024

Dzoana Klisara

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 28, 2024

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	0.0244/0.07393	PASS	METALAXYL	2 µg/g	ND	0.0058/0.01757	PASS
ACEPHATE	0.1 µg/g	ND	0.01224/0.0371	PASS	METHIOCARB	Any amt	ND	0.00885/0.02681	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.01993/0.06038	PASS	METHOMYL	1 µg/g	ND	0.00837/0.02537	PASS
ACETAMIPRID	0.1 µg/g	ND	0.0043/0.01302	PASS	MEVINPHOS	Any amt	ND		PASS
ALDICARB	Any amt	ND	0.01219/0.03693	PASS	MEVINPHOS I		ND	0.001/0.00303	N/A
AZOXYSTROBIN	0.1 µg/g	ND	0.00771/0.02337	PASS	MEVINPHOS II		ND	0.00529/0.01603	N/A
BIFENAZATE	0.1 µg/g	ND	0.00373/0.01131	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.01719/0.0521	PASS
BIFENTHRIN	3 µg/g	ND	0.01267/0.03839	PASS	NALED	0.1 µg/g	ND	0.01059/0.0321	PASS
BOSCALID	0.1 µg/g	ND	0.01406/0.04261	PASS	OXAMYL	0.5 µg/g	ND	0.00617/0.01869	PASS
CARBARYL	0.5 µg/g	ND	0.00615/0.01865	PASS	PACLOBUTRAZOL	Any amt	ND	0.01076/0.03262	PASS
CARBOFURAN	Any amt	ND	0.00411/0.01246	PASS	PERMETHRIN	0.5 µg/g	ND		PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.01069/0.0324	PASS	PERMETHRIN CIS		ND	0.00993/0.03008	N/A
CLOFENTEZINE	0.1 µg/g	ND	0.01404/0.04256	PASS	PERMETHRIN TRANS		ND	0.01265/0.03833	N/A
COUMAPHOS	Any amt	ND	0.01952/0.05914	PASS	PHOSMET	0.1 µg/g	ND	0.00601/0.01822	PASS
CYFLUTHRIN	2 µg/g	ND	0.1511/0.45788	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.00261/0.00791	PASS
CYPERMETHRIN	1 µg/g	ND	0.02284/0.06921	PASS	PRALLETHRIN	0.1 µg/g	ND	0.00989/0.02996	PASS
DAMINOZIDE	Any amt	ND	0.0237/0.07182	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.00577/0.01747	PASS
DIAZINON	0.1 µg/g	ND	0.0027/0.00818	PASS	PROPOXUR	Any amt	ND	0.00593/0.01798	PASS
DIMETHOATE	Any amt	ND	0.00353/0.01069	PASS	PYRETHRINS	0.5 µg/g	ND		PASS
DIMETHOMORPH	2 µg/g	ND		PASS	PYRETHRINS PYRETHRIN I		ND	0.00435/0.01318	N/A
DIMETHOMORPH I		ND	0.00554/0.01679	N/A	PYRETHRINS PYRETHRIN II		ND	0.00386/0.01169	N/A
DIMETHOMORPH II		ND	0.00327/0.00992	N/A	PYRIDABEN	0.1 µg/g	ND	0.00388/0.01176	PASS
ETHOPROPHOS	Any amt	ND	0.00632/0.01914	PASS	SPINETORAM	0.1 µg/g	ND		PASS
ETOENPROX	Any amt	ND	0.00604/0.01831	PASS	SPINETORAM J		ND	0.00694/0.02103	N/A
ETOXAZOLE	0.1 µg/g	ND	0.00363/0.01099	PASS	SPINETORAM L		ND	0.00902/0.02734	N/A
FENHEXAMID	0.1 µg/g	ND	0.01344/0.04073	PASS	SPINOSAD	0.1 µg/g	ND		PASS
FENOXYCARB	Any amt	ND	0.0047/0.01423	PASS	SPINOSAD A		ND	0.00799/0.02422	N/A
FENPYROXIMATE	0.1 µg/g	ND	0.00277/0.0084	PASS	SPINOSAD D		ND	0.00275/0.00834	N/A
FIPRONIL	Any amt	ND	0.00678/0.02054	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.00693/0.021	PASS
FLONICAMID	0.1 µg/g	ND	0.0046/0.01393	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.00537/0.01627	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.03245/0.09834	PASS	SPIROXAMINE	Any amt	ND	0.00549/0.01663	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00409/0.01238	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.00874/0.02647	PASS
IMAZALIL	Any amt	ND	0.012/0.03637	PASS	THIACLOPRID	Any amt	ND	0.00458/0.01389	PASS
IMIDACLOPRID	5 µg/g	ND	0.00796/0.02411	PASS	THIAMETHOXAM	5 µg/g	ND	0.00395/0.01196	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00989/0.02997	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00354/0.01072	PASS
MALATHION	0.5 µg/g	ND	0.00701/0.02124	PASS					

BCL-13: PESTICIDE TESTING BY GC/MS // APR 29, 2024

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	0.03102/0.09395	PASS	CHLORPYRIFOS	Any amt	ND	0.01103/0.0335	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.01162/0.03521	PASS
CHLORDANE CIS		ND	0.01097/0.03326	N/A	METHYL PARATHION	Any amt	ND	0.01333/0.0404	PASS
CHLORDANE TRANS		ND	0.0105/0.03173	N/A					



REGULATORY COMPLIANCE TESTING

CHLORFENAPYR Any amt ND 0.02365/0.07159 PASS

PENTACHLORONI-TROBENZENE 0.1 µg/g ND 0.01386/0.04205 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // APR 28, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16673/0.58162	PASS
ACETONE	5000 µg/g	ND	18.76696/58.16208	PASS
ACETONITRILE	410 µg/g	ND	16.65374/58.16208	PASS
BENZENE	1 µg/g	ND	0.07367/0.58162	PASS
BUTANE	5000 µg/g	ND	17.56107/58.16208	PASS
CHLOROFORM	1 µg/g	ND	0.17061/0.58162	PASS
ETHANOL	5000 µg/g	ND	14.39705/58.16208	PASS
ETHYL ACETATE	5000 µg/g	ND	17.77821/58.16208	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18612/0.58162	PASS
ETHYL ETHER	5000 µg/g	ND	15.66111/58.16208	PASS
HEPTANE	5000 µg/g	ND	13.70299/58.16208	PASS
HEXANE	290 µg/g	ND	21.09732/96.9368	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.54052/58.16208	PASS
METHANOL	3000 µg/g	ND	13.03994/58.16208	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14734/0.58162	PASS
PENTANE	5000 µg/g	ND	32.06669/96.9368	PASS
PROPANE	5000 µg/g	ND	16.56844/58.16208	PASS
TOLUENE	890 µg/g	ND	9.15471/58.16208	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07755/0.58162	PASS
O-XYLENE		ND	4.33501/29.08104	N/A
P- AND M-XYLENE		ND	4.01706/29.08104	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 26, 2024

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 27, 2024

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
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS
SHIGA TOXIN-PRODUCING E. COLI	Any amt in 1 gram	ND	PASS

BCL-05: MYCOTOXIN TESTING BY LC-MS/MS // APR 28, 2024

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	1.97/5.96	N/A
AFLATOXIN B2		ND	1.32/3.99	N/A
AFLATOXIN G1		ND	1.6/4.86	N/A
AFLATOXIN G2		ND	1.46/4.44	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	1.35/4.08	PASS

BCL-020: HEAVY METAL TESTING BY ICP-MS // APR 26, 2024

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	0.079	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // APR 26, 2024

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		9.00	N/A

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // APR 26, 2024

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.55	PASS

ACCREDITATIONS



A2LA ACCREDITED

BCL-02: MOISTURE CONTENT BY GRAVIMETRY
 BCL-020: HEAVY METAL TESTING BY ICP-MS
 BCL-05: MYCOTOXIN TESTING BY LC-MS/MS
 BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI
 BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY
 BCL-09: TERPENOID TESTING BY HS-GC/FID
 BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM
 BCL-13: PESTICIDE TESTING BY GC/MS
 BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS

