

CERTIFICATE OF ANALYSIS

PRODUCED: MAR 23, 2024

SAMPLE: GMO S1 (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS
NON-INFUSED PRE ROLL



BATCH NO.: GHFGMOS10312PR
METRC UID: 1A406030003DC49000099600
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-240319-140
COLLECTED ON: MAR 19, 2024
RECEIVED ON: MAR 19, 2024
BATCH/SAMPLE SIZE: 866 UNITS / 12 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	27.33931 %
TOTAL CBD:	0.12481 %
TOTAL CANNABINOIDS ^{††} :	27.59877 %
SUM OF CANNABINOIDS [†] :	31.32497 %

MANUFACTURER INFO

MANUFACTURER

GLASS HOUSE CAMARILLO
CULTIVATION LLC
645 LAGUNA ROAD
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 // MAR 21, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.05561 %	0.5561 mg/g	0.0044/0.09995	N/A
CBD	ND	ND	0.0062/0.09995	N/A
CBDA	0.14231 %	1.4231 mg/g	0.0032/0.09995	N/A
CBG	0.06732 %	0.6732 mg/g	0.0058/0.09995	N/A
CBN	0.01172 %	0.1172 mg/g	0.0032/0.09995	N/A
Δ ⁸ -THC	ND	ND	0.01159/0.09995	N/A
Δ ⁹ -THC	0.89598 %	8.9598 mg/g	0.0084/0.09995	N/A
THCA	30.15203 %	301.5203 mg/g	0.11994/1.999	N/A
THCV	ND	ND	0.0066/0.09995	N/A
TOT THC**	27.33931 %	273.3931 mg/g		N/A
TOT CBD**	0.12481 %	1.2481 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	8.96 mg			N/A
TOT THC/PKG**	273.39 mg			N/A
TOT CBD/PKG**	1.25 mg			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 // MAR 22, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.50958 %	15.0958 mg/g		N/A
β-CARYOPHYLLENE	0.56581 %	5.6581 mg/g	0.00192/0.13997	N/A
D-LIMONENE	0.37921 %	3.7921 mg/g	0.00025/0.13997	N/A
α-HUMULENE	0.24600 %	2.4600 mg/g	0.00047/0.13997	N/A
LINALOOL	0.09239 %	0.9239 mg/g	0.00037/0.13997	N/A
β-MYRCENE	0.08763 %	0.8763 mg/g	0.00038/0.13997	N/A
α-BISABOLOL	0.06084 %	0.6084 mg/g	0.00436/0.13997	N/A
β-PINENE	0.05011 %	0.5011 mg/g	0.00227/0.13997	N/A
α-PINENE	0.02759 %	0.2759 mg/g	0.00022/0.13997	N/A
CAMPHENE	< LOQ	< LOQ	0.00022/0.13997	N/A
TERPINOLENE	< LOQ	< LOQ	0.0003/0.13997	N/A
α-TERPINENE	ND	ND	0.0003/0.13997	N/A
CIS-β-OCIMENE	ND	ND	0.00135/0.04339	N/A
Δ ³ -CARENE	ND	ND	0.00046/0.13997	N/A
EUCALYPTOL	ND	ND	0.00047/0.13997	N/A
γ-TERPINENE	ND	ND	0.00047/0.13997	N/A
GERANIOL	ND	ND	0.00029/0.13997	N/A
GUAIOL	ND	ND	0.00273/0.13997	N/A
ISOPULEGOL	ND	ND	0.00055/0.13997	N/A
P-CYMENE	ND	ND	0.00027/0.13997	N/A
TRANS-β-OCIMENE	ND	ND	0.0005/0.09658	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.S.C.
LABORATORY DIRECTOR, BELCOSTA LABS
MAR 23, 2024

Dzoana Klisara

BCL-13: PESTICIDE TESTING BY GC/MS // MAR 22, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03112/0.09424	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.011/0.03337	N/A
CHLORDANE TRANS		ND	0.01053/0.03183	N/A
CHLORFENAPYR	Any amt	ND	0.02372/0.07182	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01106/0.0336	PASS
DICHLORVOS	Any amt	ND	0.01165/0.03532	PASS
METHYL PARATHION	Any amt	ND	0.01337/0.04052	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.0139/0.04218	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // MAR 22, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.0244/0.07393	PASS
ACEPHATE	0.1 µg/g	ND	0.01224/0.0371	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.01993/0.06038	PASS
ACETAMIPRID	0.1 µg/g	ND	0.0043/0.01302	PASS
ALDICARB	Any amt	ND	0.01219/0.03693	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00771/0.02337	PASS
BIFENAZATE	0.1 µg/g	ND	0.00373/0.01131	PASS
BIFENTHRIN	3 µg/g	ND	0.01267/0.03839	PASS
BOSCALID	0.1 µg/g	ND	0.01406/0.04261	PASS
CARBARYL	0.5 µg/g	ND	0.00615/0.01865	PASS
CARBOFURAN	Any amt	ND	0.00411/0.01246	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.01069/0.0324	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.01404/0.04256	PASS
COUMAPHOS	Any amt	ND	0.01952/0.05914	PASS
CYFLUTHRIN	2 µg/g	ND	0.1511/0.45788	PASS
CYPERMETHRIN	1 µg/g	ND	0.02284/0.06921	PASS
DAMINOZIDE	Any amt	ND	0.0237/0.07182	PASS
DIAZINON	0.1 µg/g	ND	0.0027/0.00818	PASS
DIMETHOATE	Any amt	ND	0.00353/0.01069	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00554/0.01679	N/A
DIMETHOMORPH II		ND	0.00327/0.00992	N/A
ETHOPROPHOS	Any amt	ND	0.00632/0.01914	PASS
ETOFENPROX	Any amt	ND	0.00604/0.01831	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00363/0.01099	PASS
FENHEXAMID	0.1 µg/g	ND	0.01344/0.04073	PASS
FENOXYCARB	Any amt	ND	0.0047/0.01423	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00277/0.0084	PASS
FIPRONIL	Any amt	ND	0.00678/0.02054	PASS
FLONICAMID	0.1 µg/g	ND	0.0046/0.01393	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.03245/0.09834	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00409/0.01238	PASS
IMAZALIL	Any amt	ND	0.012/0.03637	PASS
IMIDACLOPRID	5 µg/g	ND	0.00796/0.02411	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00989/0.02997	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
METALAXYL	2 µg/g	ND	0.0058/0.01757	PASS
METHIOCARB	Any amt	ND	0.00885/0.02681	PASS
METHOMYL	1 µg/g	ND	0.00837/0.02537	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.001/0.00303	N/A
MEVINPHOS II		ND	0.00529/0.01603	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.01719/0.0521	PASS
NALED	0.1 µg/g	ND	0.01059/0.0321	PASS
OXAMYL	0.5 µg/g	ND	0.00617/0.01869	PASS
PACLOBUTRAZOL	Any amt	ND	0.01076/0.03262	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00993/0.03008	N/A
PERMETHRIN TRANS		ND	0.01265/0.03833	N/A
PHOSMET	0.1 µg/g	ND	0.00601/0.01822	PASS
PIPERONYLBUTO-XIDE	3 µg/g	ND	0.00261/0.00791	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00989/0.02996	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.00577/0.01747	PASS
PROPOXUR	Any amt	ND	0.00593/0.01798	PASS
PYRETHRINS	0.5 µg/g	ND		PASS
PYRETHRINS PYRETHRIN I		ND	0.00435/0.01318	N/A
PYRETHRINS PYRETHRIN II		ND	0.00386/0.01169	N/A
PYRIDABEN	0.1 µg/g	ND	0.00388/0.01176	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00694/0.02103	N/A
SPINETORAM L		ND	0.00902/0.02734	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00799/0.02422	N/A
SPINOSAD D		ND	0.00275/0.00834	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.00693/0.021	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00537/0.01627	PASS
SPIROXAMINE	Any amt	ND	0.00549/0.01663	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00874/0.02647	PASS
THIACLOPRID	Any amt	ND	0.00458/0.01389	PASS
THIAMETHOXAM	5 µg/g	ND	0.00395/0.01196	PASS
TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.00354/0.01072	PASS



MALATHION 0.5 µg/g ND 0.00701/0.02124 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // MAR 22, 2024

ANALYTE	LIMIT AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL	
1,2-DICHLOROETHANE	1 µg/g	ND	0.17023/0.59382	PASS
ACETONE	5000 µg/g	ND	19.16073/59.38242	PASS
ACETONITRILE	410 µg/g	ND	17.00317/59.38242	PASS
BENZENE	1 µg/g	ND	0.07522/0.59382	PASS
BUTANE	5000 µg/g	ND	17.92953/59.38242	PASS
CHLOROFORM	1 µg/g	ND	0.17419/0.59382	PASS
ETHANOL	5000 µg/g	ND	14.69913/59.38242	PASS
ETHYL ACETATE	5000 µg/g	ND	18.15123/59.38242	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.19002/0.59382	PASS
ETHYL ETHER	5000 µg/g	ND	15.98971/59.38242	PASS
HEPTANE	5000 µg/g	ND	13.9905/59.38242	PASS
HEXANE	290 µg/g	ND	21.53998/98.9707	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.84561/59.38242	PASS
METHANOL	3000 µg/g	ND	13.31354/59.38242	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.15044/0.59382	PASS
PENTANE	5000 µg/g	ND	32.73951/98.9707	PASS
PROPANE	5000 µg/g	ND	16.91607/59.38242	PASS
TOLUENE	890 µg/g	ND	9.34679/59.38242	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07918/0.59382	PASS
O-XYLENE		ND	4.42597/29.69121	N/A
P- AND M-XYLENE		ND	4.10135/29.69121	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // MAR 20, 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 // MAR 21, 2024

ANALYTE	LIMIT AMT (CFU/g)	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 // MAR 22, 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 // MAR 20, 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	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // MAR 21, 2024

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		10.00	N/A

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // MAR 21, 2024

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.58	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

