

CERTIFICATE OF ANALYSIS

PRODUCED: JAN 31, 2024

SAMPLE: GG4 (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS
NON-INFUSED PRE-ROLLS



BATCH NO.: GHFGG40122MPNEW
METRC UID: 1A406030003DC49000085263
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-240124-063
COLLECTED ON: JAN 24, 2024
RECEIVED ON: JAN 24, 2024
BATCH/SAMPLE SIZE: 379 UNITS / 5 UNITS
PACKAGE SIZE: 3.5 G

CANNABINOID OVERVIEW

TOTAL THC:	22.15504 %
TOTAL CBD:	0.05809 %
TOTAL CANNABINOIDS ^{††} :	22.27217 %
SUM OF CANNABINOIDS [†] :	25.24401 %

MANUFACTURER INFO

MANUFACTURER
GLASS HOUSE CAMARILLO
CULTIVATION LLC
5601 CASITAS PASS RD
CARPINTERIA, CA 93013
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 // JAN 30, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	< LOQ	< LOQ	0.0044/0.1	N/A
CBD	< LOQ	< LOQ	0.0062/0.1	N/A
CBDA	0.06624 %	0.6624 mg/g	0.0032/0.1	N/A
CBG	0.05904 %	0.5904 mg/g	0.0058/0.1	N/A
CBN	ND	ND	0.0032/0.1	N/A
Δ ⁸ -THC	ND	ND	0.0116/0.1	N/A
Δ ⁹ -THC	1.02366 %	10.2366 mg/g	0.0084/0.1	N/A
THCA	24.09507 %	240.9507 mg/g	0.12/2	N/A
THCV	ND	ND	0.0066/0.1	N/A
TOT THC**	22.15504 %	221.5504 mg/g		N/A
TOT CBD**	0.05809 %	0.5809 mg/g		N/A
CBD/PKG	< LOQ			N/A
Δ ⁹ -THC/PKG	35.83 mg			N/A
TOT THC/PKG**	775.43 mg			N/A
TOT CBD/PKG**	2.03 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 // JAN 28, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.11583 %	11.1583 mg/g		N/A
β-CARYOPHYLLENE	0.54091 %	5.4091 mg/g	0.00191/0.1393	N/A
D-LIMONENE	0.18518 %	1.8518 mg/g	0.00025/0.1393	N/A
α-HUMULENE	0.17169 %	1.7169 mg/g	0.00047/0.1393	N/A
α-BISABOLOL	0.07456 %	0.7456 mg/g	0.00434/0.1393	N/A
LINALOOL	0.05638 %	0.5638 mg/g	0.00037/0.1393	N/A
β-MYRCENE	0.04599 %	0.4599 mg/g	0.00038/0.1393	N/A
β-PINENE	0.02694 %	0.2694 mg/g	0.00226/0.1393	N/A
α-PINENE	0.01418 %	0.1418 mg/g	0.00022/0.1393	N/A
CAMPHERE	< LOQ	< LOQ	0.00022/0.1393	N/A
GERANIOL	< LOQ	< LOQ	0.00029/0.1393	N/A
α-TERPINENE	ND	ND	0.0003/0.1393	N/A
CIS-β-OCIMENE	ND	ND	0.00134/0.04318	N/A
Δ ³ -CARENE	ND	ND	0.00046/0.1393	N/A
EUCALYPTOL	ND	ND	0.00047/0.1393	N/A
γ-TERPINENE	ND	ND	0.00047/0.1393	N/A
GUAIOL	ND	ND	0.00272/0.1393	N/A
ISOPULEGOL	ND	ND	0.00054/0.1393	N/A
P-CYME	ND	ND	0.00027/0.1393	N/A
TERPINOLENE	ND	ND	0.00029/0.1393	N/A
TRANS-β-OCIMENE	ND	ND	0.0005/0.09612	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
JAN 31, 2024

Dzoana Klisara

BCL-13: PESTICIDE TESTING BY GC/MS // JAN 26, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03045/0.09221	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01077/0.03265	N/A
CHLORDANE TRANS		ND	0.0103/0.03114	N/A
CHLORFENAPYR	Any amt	ND	0.02321/0.07027	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JAN 27, 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
CHLORPYRIFOS	Any amt	ND	0.01082/0.03288	PASS
DICHLORVOS	Any amt	ND	0.0114/0.03456	PASS
METHYL PARATHION	Any amt	ND	0.01308/0.03965	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.0136/0.04127	PASS
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 // JAN 26, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.04389/0.15312	PASS
ACETONE	5000 µg/g	ND	4.94067/15.312	PASS
ACETONITRILE	410 µg/g	ND	4.38434/15.312	PASS
BENZENE	1 µg/g	ND	0.0194/0.15312	PASS
BUTANE	5000 µg/g	ND	4.6232/15.312	PASS
CHLOROFORM	1 µg/g	ND	0.04492/0.15312	PASS
ETHANOL	5000 µg/g	ND	3.79023/15.312	PASS
ETHYL ACETATE	5000 µg/g	ND	4.68037/15.312	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.049/0.15312	PASS
ETHYL ETHER	5000 µg/g	ND	4.12301/15.312	PASS
HEPTANE	5000 µg/g	ND	3.60751/15.312	PASS
HEXANE	290 µg/g	ND	5.55417/25.52	PASS
ISOPROPYL ALCOHOL	5000 µg/g	21.949	3.828/15.312	PASS
METHANOL	3000 µg/g	ND	3.43295/15.312	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.03879/0.15312	PASS
PENTANE	5000 µg/g	ND	8.44202/25.52	PASS
PROPANE	5000 µg/g	ND	4.36188/15.312	PASS
TOLUENE	890 µg/g	ND	2.41011/15.312	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.02042/0.15312	PASS
O-XYLENE		ND	1.14125/7.656	N/A
P- AND M-XYLENE		ND	1.05755/7.656	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-020: HEAVY METAL TESTING BY ICP-MS // JAN 25, 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 // JAN 26, 2024

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

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JAN 25, 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 // JAN 26, 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 // JAN 27, 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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JAN 30, 2024

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

