

CERTIFICATE OF ANALYSIS

PRODUCED: APR 11, 2024

SAMPLE: DARK NEBULA (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: **PASS**
NON-INFUSED PRE ROLL



BATCH NO.: GHFBGG1010401PR
METRC UID: 1A406030003DC49000114523
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-240405-036
COLLECTED ON: APR 05, 2024
RECEIVED ON: APR 05, 2024
BATCH/SAMPLE SIZE: 1221 UNITS / 13 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	23.31172 %
TOTAL CBD:	0.07681 %
TOTAL CANNABINOIDS ^{††} :	23.53430 %
SUM OF CANNABINOIDS [†] :	26.71519 %

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 // APR 10, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.0044/0.09995	N/A
CBD	ND	ND	0.0062/0.09995	N/A
CBDA	0.08758 %	0.8758 mg/g	0.0032/0.09995	N/A
CBG	0.12520 %	1.2520 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	0.70851 %	7.0851 mg/g	0.0084/0.09995	N/A
THCA	25.77333 %	257.7333 mg/g	0.11994/1.999	N/A
THCV	0.02057 %	0.2057 mg/g	0.0066/0.09995	N/A
TOT THC**	23.31172 %	233.1172 mg/g		N/A
TOT CBD**	0.07681 %	0.7681 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	7.09 mg			N/A
TOT THC/PKG**	233.12 mg			N/A
TOT CBD/PKG**	0.77 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 // APR 08, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.83039 %	8.3039 mg/g		N/A
β-CARYOPHYLLENE	0.30003 %	3.0003 mg/g	0.00189/0.13788	N/A
D-LIMONENE	0.18368 %	1.8368 mg/g	0.00025/0.13788	N/A
LINALOOL	0.10721 %	1.0721 mg/g	0.00037/0.13788	N/A
α-HUMULENE	0.08562 %	0.8562 mg/g	0.00046/0.13788	N/A
GUAJOL	0.05932 %	0.5932 mg/g	0.00269/0.13788	N/A
β-MYRCENE	0.04829 %	0.4829 mg/g	0.00037/0.13788	N/A
β-PINENE	0.03131 %	0.3131 mg/g	0.00223/0.13788	N/A
α-PINENE	0.01493 %	0.1493 mg/g	0.00021/0.13788	N/A
CAMPHERE	< LOQ	< LOQ	0.00021/0.13788	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.13788	N/A
TRANS-β-OCIMENE	< LOQ	< LOQ	0.00049/0.09513	N/A
α-BISABOLOL	ND	ND	0.0043/0.13788	N/A
α-TERPINENE	ND	ND	0.0003/0.13788	N/A
CIS-β-OCIMENE	ND	ND	0.00133/0.04274	N/A
Δ ³ -CARENE	ND	ND	0.00045/0.13788	N/A
EUCALYPTOL	ND	ND	0.00046/0.13788	N/A
γ-TERPINENE	ND	ND	0.00047/0.13788	N/A
GERANIOL	ND	ND	0.00029/0.13788	N/A
ISOPULEGOL	ND	ND	0.00054/0.13788	N/A
P-CYMENTHENE	ND	ND	0.00027/0.13788	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
APR 11, 2024

Dzoana Klisara

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 09, 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
ETOFENPROX	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 09, 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	0.03152/0.09545	PASS	CHLORPYRIFOS	Any amt	ND	0.0112/0.03403	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.0118/0.03577	PASS
CHLORDANE CIS		ND	0.01114/0.03379	N/A	METHYL PARATHION	Any amt	ND	0.01354/0.04104	PASS
CHLORDANE TRANS		ND	0.01067/0.03223	N/A					



REGULATORY COMPLIANCE TESTING

CHLORFENAPYR Any amt ND 0.02403/0.07274 PASS

PENTACHLORONI-TROBENZENE 0.1 µg/g ND 0.01408/0.04272 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // APR 08, 2024

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16532/0.5767	PASS
ACETONE	5000 µg/g	ND	18.60823/57.67013	PASS
ACETONITRILE	410 µg/g	ND	16.51288/57.67013	PASS
BENZENE	1 µg/g	ND	0.07305/0.5767	PASS
BUTANE	5000 µg/g	ND	17.41253/57.67013	PASS
CHLOROFORM	1 µg/g	ND	0.16917/0.5767	PASS
ETHANOL	5000 µg/g	ND	14.27528/57.67013	PASS
ETHYL ACETATE	5000 µg/g	ND	17.62784/57.67013	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18454/0.5767	PASS
ETHYL ETHER	5000 µg/g	ND	15.52864/57.67013	PASS
HEPTANE	5000 µg/g	ND	13.58708/57.67013	PASS
HEXANE	290 µg/g	ND	20.91888/96.11688	PASS
ISOPROPYL ALCOHOL	5000 µg/g	< LOQ	14.41753/57.67013	PASS
METHANOL	3000 µg/g	ND	12.92964/57.67013	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.1461/0.5767	PASS
PENTANE	5000 µg/g	ND	31.79546/96.11688	PASS
PROPANE	5000 µg/g	ND	16.4283/57.67013	PASS
TOLUENE	890 µg/g	ND	9.07728/57.67013	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07689/0.5767	PASS
O-XYLENE		ND	4.29835/28.83506	N/A
P- AND M-XYLENE		ND	3.98308/28.83506	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 06, 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 07, 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 // APR 09, 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 08, 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	0.011	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // APR 07, 2024

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

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // APR 08, 2024

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.53	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

