

CERTIFICATE OF ANALYSIS

PRODUCED: JUN 17, 2024

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



BATCH NO.: GHFGG40604MPNEW
METRC UID: 1A4060300036B66000011209
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-240613-023
COLLECTED ON: JUN 13, 2024
RECEIVED ON: JUN 13, 2024
BATCH/SAMPLE SIZE: 685 UNITS / 8 UNITS
PACKAGE SIZE: 3.5 G

CANNABINOID OVERVIEW

TOTAL THC:	20.66989 %
TOTAL CBD:	0.08872 %
TOTAL CANNABINOIDS ^{††} :	21.69944 %
SUM OF CANNABINOIDS [†] :	24.59187 %

MANUFACTURER INFO

MANUFACTURER
 ALKHEMIST DM LLC
 2211 DAMON STREET
 LOS ANGELES, CA 90021
LICENSE
 CDPH-10004691
 ADULT-USE AND MEDICINAL -
 MANUFACTURING 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 // JUN 15, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.06624 %	0.6624 mg/g	0.0044/0.1	N/A
CBCA	0.20488 %	2.0488 mg/g	0.0126/0.1	N/A
CBD	ND	ND	0.0062/0.1	N/A
CBDA	0.10116 %	1.0116 mg/g	0.0032/0.1	N/A
CBDV	ND	ND	0.0048/0.1	N/A
CBDVA	0.01919 %	0.1919 mg/g	0.0032/0.1	N/A
CBG	0.09739 %	0.9739 mg/g	0.0058/0.1	N/A
CBGA	0.49275 %	4.9275 mg/g	0.004/0.1	N/A
CBN	< LOQ	< LOQ	0.0032/0.1	N/A
Δ ⁸ -THC	ND	ND	0.0116/0.1	N/A
Δ ⁹ -THC	0.91251 %	9.1251 mg/g	0.0084/0.1	N/A
THCA	22.52837 %	225.2837 mg/g	0.12/2	N/A
THCV	< LOQ	< LOQ	0.0066/0.1	N/A
THCVA	0.16938 %	1.6938 mg/g	0.0046/0.1	N/A
TOT THC**	20.66989 %	206.6989 mg/g		N/A
TOT CBD**	0.08872 %	0.8872 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	31.94 mg			N/A
TOT THC/PKG**	723.45 mg			N/A
TOT CBD/PKG**	3.11 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 15, 2024

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.80774 %	8.0774 mg/g		N/A
β-CARYOPHYLLENE	0.55012 %	5.5012 mg/g	0.00189/0.1379	N/A
α-HUMULENE	0.20120 %	2.0120 mg/g	0.00046/0.1379	N/A
α-BISABOLOL	0.05642 %	0.5642 mg/g	0.0043/0.1379	N/A
GERANIOL	< LOQ	< LOQ	0.00029/0.1379	N/A
α-PINENE	ND	ND	0.00021/0.1379	N/A
α-TERPINENE	ND	ND	0.0003/0.1379	N/A
β-MYRCENE	ND	ND	0.00037/0.1379	N/A
β-PINENE	ND	ND	0.00223/0.1379	N/A
CAMPHERE	ND	ND	0.00021/0.1379	N/A
CIS-β-OCIMENE	ND	ND	0.00133/0.04275	N/A
D-LIMONENE	ND	ND	0.00025/0.1379	N/A
Δ ³ -CARENE	ND	ND	0.00045/0.1379	N/A
EUCALYPTOL	ND	ND	0.00046/0.1379	N/A
γ-TERPINENE	ND	ND	0.00047/0.1379	N/A
GUAIOL	ND	ND	0.00269/0.1379	N/A
ISOPULEGOL	ND	ND	0.00054/0.1379	N/A
LINALOOL	ND	ND	0.00037/0.1379	N/A
P-CYME	ND	ND	0.00027/0.1379	N/A
TERPINOLENE	ND	ND	0.00029/0.1379	N/A
TRANS-β-OCIMENE	ND	ND	0.00049/0.09515	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 + CBCA + CBD + CBDV + CBDVA + CBG + CBGA + CBN + DELTA-8-THC + DELTA-9-THC + THCA + THCV + THCVA

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



REGULATORY COMPLIANCE TESTING

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
JUN 17, 2024

Dzoana Klisara



BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 15, 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 // JUN 15, 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	0.0314/0.0951	PASS	CHLORPYRIFOS	Any amt	ND	0.01116/0.03391	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.01176/0.03564	PASS
CHLORDANE CIS		ND	0.0111/0.03367	N/A	METHYL PARATHION	Any amt	ND	0.01349/0.0409	PASS
CHLORDANE TRANS		ND	0.01063/0.03212	N/A					



REGULATORY COMPLIANCE TESTING

CHLORFENAPYR Any amt ND 0.02394/0.07248 PASS

PENTACHLORONI-TROBENZENE 0.1 µg/g ND 0.01403/0.04257 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JUN 15, 2024

ANALYTE	LIMIT AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.16712/0.58298 PASS
ACETONE	5000 µg/g	ND	18.81073/58.29771 PASS
ACETONITRILE	410 µg/g	ND	16.69258/58.29771 PASS
BENZENE	1 µg/g	ND	0.07384/0.58298 PASS
BUTANE	5000 µg/g	ND	17.60202/58.29771 PASS
CHLOROFORM	1 µg/g	ND	0.17101/0.58298 PASS
ETHANOL	5000 µg/g	ND	14.43063/58.29771 PASS
ETHYL ACETATE	5000 µg/g	ND	17.81967/58.29771 PASS
ETHYLENE OXIDE	1 µg/g	ND	0.18655/0.58298 PASS
ETHYL ETHER	5000 µg/g	ND	15.69763/58.29771 PASS
HEPTANE	5000 µg/g	ND	13.73494/58.29771 PASS
HEXANE	290 µg/g	ND	21.14652/97.16284 PASS
ISOPROPYL ALCOHOL	5000 µg/g	95.346	14.57443/58.29771 PASS
METHANOL	3000 µg/g	ND	13.07035/58.29771 PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.14769/0.58298 PASS
PENTANE	5000 µg/g	ND	32.14147/97.16284 PASS
PROPANE	5000 µg/g	ND	16.60707/58.29771 PASS
TOLUENE	890 µg/g	ND	9.17606/58.29771 PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07773/0.58298 PASS
O-XYLENE		ND	4.34512/29.14885 N/A
P- AND M-XYLENE		ND	4.02643/29.14885 N/A
TOTAL XYLENES	2170 µg/g	ND	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 14, 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 // JUN 15, 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 // JUN 15, 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 // JUN 14, 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 // JUN 14, 2024

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

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JUN 14, 2024

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.54	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

