

CERTIFICATE OF ANALYSIS

PRODUCED: DEC 18, 2023

SAMPLE: GMO S1 (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFGMOS11214
 METRC UID: 1A406030003DC49000083401
 MATRIX: FLOWER
 CATEGORY: INHALABLE
 SAMPLE ID: BCL-231215-024
 COLLECTED ON: DEC 15, 2023
 RECEIVED ON: DEC 15, 2023
 BATCH/SAMPLE SIZE: 19976 G / 70 G

CANNABINOID OVERVIEW

TOTAL THC:	33.9009 %
TOTAL CBD:	0.08502 %
TOTAL CANNABINOIDS††:	35.71518 %
SUM OF CANNABINOIDS†:	40.66497 %

CULTIVATOR INFO

CULTIVATOR
 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-03: CANNABINOID POTENCY BY HPLC-UV // DEC 17, 2023

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.01026/0.23321	N/A
CBCA	0.25207 %	2.5207 mg/g	0.02938/0.23321	N/A
CBD	ND	ND	0.01446/0.23321	N/A
CBDA	0.09694 %	0.9694 mg/g	0.00746/0.23321	N/A
CBDV	ND	ND	0.01119/0.23321	N/A
CBDVA	ND	ND	0.00746/0.23321	N/A
CBG	0.05457 %	0.5457 mg/g	0.01353/0.23321	N/A
CBGA	1.47434 %	14.7434 mg/g	0.00933/0.23321	N/A
CBN	ND	ND	0.00746/0.23321	N/A
Δ ⁸ -THC	ND	ND	0.02705/0.23321	N/A
Δ ⁹ -THC	0.36819 %	3.6819 mg/g	0.01959/0.23321	N/A
THCA	38.23570 %	382.3570 mg/g	0.01399/0.23321	N/A
THCV	ND	ND	0.01539/0.23321	N/A
THCVA	0.18316 %	1.8316 mg/g	0.01073/0.23321	N/A
TOT THC**	33.90090 %	339.0090 mg/g		N/A
TOT CBD**	0.08502 %	0.8502 mg/g		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 + CBDA + 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))

BCL-09: TERPENOID TESTING BY HS-GC/FID // DEC 18, 2023

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	2.20698 %	22.0698 mg/g		N/A
β-CARYOPHYLLENE	0.59306 %	5.9306 mg/g	0.00169/0.12302	N/A
α-HUMULENE	0.28717 %	2.8717 mg/g	0.00041/0.12302	N/A
β-MYRCENE	0.26253 %	2.6253 mg/g	0.00033/0.12302	N/A
D-LIMONENE	0.78040 %	7.8040 mg/g	0.00022/0.12302	N/A
β-PINENE	0.09178 %	0.9178 mg/g	0.00199/0.12302	N/A
LINALOOL	0.06065 %	0.6065 mg/g	0.00033/0.12302	N/A
α-PINENE	0.05407 %	0.5407 mg/g	0.00019/0.12302	N/A
α-BISABOLOL	0.04349 %	0.4349 mg/g	0.00384/0.12302	N/A
CAMPHENE	0.01934 %	0.1934 mg/g	0.00019/0.12302	N/A
TERPINOLENE	0.01449 %	0.1449 mg/g	0.00026/0.12302	N/A
CIS-β-OCIMENE	< LOQ	< LOQ	0.00119/0.03814	N/A
α-TERPINENE	ND	ND	0.00026/0.12302	N/A
Δ ³ -CARENE	ND	ND	0.00041/0.12302	N/A
EUCALYPTOL	ND	ND	0.00041/0.12302	N/A
γ-TERPINENE	ND	ND	0.00042/0.12302	N/A
GERANIOL	ND	ND	0.00026/0.12302	N/A
GUAIOL	ND	ND	0.0024/0.12302	N/A
ISOPULEGOL	ND	ND	0.00048/0.12302	N/A
P-CYMENE	ND	ND	0.00024/0.12302	N/A
TRANS-β-OCIMENE	ND	ND	0.00044/0.08489	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
 DEC 18, 2023

Dzoana Klisara

BCL-13: PESTICIDE TESTING BY GC/MS // DEC 17, 2023

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03021/0.09148	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01068/0.03239	N/A
CHLORDANE TRANS		ND	0.01022/0.0309	N/A
CHLORFENAPYR	Any amt	ND	0.02303/0.06972	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01074/0.03262	PASS
DICHLORVOS	Any amt	ND	0.01131/0.03428	PASS
METHYL PARATHION	Any amt	ND	0.01298/0.03934	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.0135/0.04095	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // DEC 17, 2023

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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // DEC 16, 2023

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-020: HEAVY METAL TESTING BY ICP-MS // DEC 16, 2023

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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // DEC 16, 2023

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.52	PASS

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // DEC 17, 2023

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 // DEC 17, 2023

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-02: MOISTURE CONTENT BY GRAVIMETRY // DEC 16, 2023

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		9.50	N/A

ACCREDITATIONS



A2LA ACCREDITED

- BCL-02: MOISTURE CONTENT BY GRAVIMETRY
- BCL-020: HEAVY METAL TESTING BY ICP-MS
- BCL-03: CANNABINOID POTENCY BY HPLC-UV
- 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

