

CERTIFICATE OF ANALYSIS

PRODUCED: JUL 13, 2022

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



BATCH NO.: GHFGLG0611PR
METRC UID: 1A406030003DC49000002944
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220708-136
COLLECTED ON: JUL 08, 2022
RECEIVED ON: JUL 08, 2022
BATCH/SAMPLE SIZE: 1267 UNITS / 13 UNITS
PACKAGE SIZE: 1 G

CANNABINOID OVERVIEW

TOTAL THC:	27.72607 %
TOTAL CBD:	0.05856 %
SUM OF CANNABINOIDS:	32.84624 %

CULTIVATOR INFO

CULTIVATOR
MISSION HEALTH ASSOCIATES, INC.
DBA GLASS HOUSE FARMS
5601 CASITAS PASS RD
CARPINTERIA, CA 93013
LICENSE
CCL18-0003034
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 // JUL 13, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.04421 %	0.4421 mg/g	0.01095/0.24881	N/A
CBCA	0.51609 %	5.1609 mg/g	0.03135/0.24881	N/A
CBD	ND	ND	0.01543/0.24881	N/A
CBDA	0.06677 %	0.6677 mg/g	0.00796/0.24881	N/A
CBDV	ND	ND	0.01194/0.24881	N/A
CBDVA	ND	ND	0.00796/0.24881	N/A
CBG	0.09887 %	0.9887 mg/g	0.01443/0.24881	N/A
CBGA	0.63376 %	6.3376 mg/g	0.00995/0.24881	N/A
CBN	ND	ND	0.00796/0.24881	N/A
Δ ⁸ -THC	ND	ND	0.02886/0.24881	N/A
Δ ⁹ -THC	1.61235 %	16.1235 mg/g	0.0209/0.24881	N/A
THCA	29.77619 %	297.7619 mg/g	0.01493/0.24881	N/A
THCV	ND	ND	0.01642/0.24881	N/A
THCVA	0.09800 %	0.9800 mg/g	0.01145/0.24881	N/A
TOT THC**	27.72607 %	277.2607 mg/g		N/A
TOT CBD**	0.05856 %	0.5856 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	16.12 mg			N/A
TOT CBD/PKG**	0.59 mg			N/A
TOT THC/PKG**	277.26 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JUL 11, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	0.60433 %	6.0433 mg/g		N/A
β-CARYOPHYLLENE	0.28377 %	2.8377 mg/g	0.00191/0.139	N/A
α-HUMULENE	0.11602 %	1.1602 mg/g	0.00047/0.139	N/A
LINALOOL	0.08528 %	0.8528 mg/g	0.00037/0.139	N/A
D-LIMONENE	0.07499 %	0.7499 mg/g	0.00025/0.139	N/A
α-BISABOLOL	0.04427 %	0.4427 mg/g	0.00433/0.139	N/A
α-PINENE	< LOQ	< LOQ	0.00021/0.139	N/A
β-MYRCENE	< LOQ	< LOQ	0.00038/0.139	N/A
β-PINENE	< LOQ	< LOQ	0.00225/0.139	N/A
GUAIOL	ND	ND	0.00272/0.139	N/A
TERPINOLENE	ND	ND	0.00029/0.139	N/A
P-CYMENE	ND	ND	0.00027/0.139	N/A
ISOPULEGOL	ND	ND	0.00054/0.139	N/A
Δ ³ -CARENE	ND	ND	0.00046/0.139	N/A
GERANIOL	ND	ND	0.00029/0.139	N/A
γ-TERPINENE	ND	ND	0.00047/0.139	N/A
EUCALYPTOL	ND	ND	0.00047/0.139	N/A
CIS-β-OCIMENE	ND	ND	0.00134/0.04309	N/A
CAMPHERE	ND	ND	0.00022/0.139	N/A
α-TERPINENE	ND	ND	0.0003/0.139	N/A
TRANS-β-OCIMENE	ND	ND	0.0005/0.09591	N/A

** TOTAL CBD = (CBDA X 0.877) + CBD
** TOTAL THC = (THCA X 0.877) + THC
DRY-WEIGHT AMOUNTS SHOWN



SAMPLE WAS TESTED AS RECEIVED. 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: CODY SHEPPARD, PH.D.
SCIENCE DIRECTOR, BELCOSTA LABS
JUL 13, 2022

BCL-13: PESTICIDE TESTING BY GC/MS // JUL 10, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03146/0.09528	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01112/0.03373	N/A
CHLORDANE TRANS		ND	0.01065/0.03218	N/A
CHLORFENAPYR	Any amt	ND	0.02398/0.07261	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01118/0.03397	PASS
DICHLORVOS	Any amt	ND	0.01178/0.03571	PASS
METHYL PARATHION	Any amt	ND	0.01352/0.04097	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01406/0.04264	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUL 10, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
ABAMECTIN	0.1 µg/g	ND	0.01153/0.04	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS
DIMETHOMORPH	2 µg/g	ND		PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A
DIMETHOMORPH II		ND	0.0015/0.0122	N/A
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
METHIOCARB	Any amt	ND	0.00503/0.02	PASS
METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
MEVINPHOS	Any amt	ND		PASS
MEVINPHOS I		ND	0.00163/0.0084	N/A
MEVINPHOS II		ND	0.00542/0.0316	N/A
MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
NALED	0.1 µg/g	ND	0.00328/0.02	PASS
OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
PERMETHRIN	0.5 µg/g	ND		PASS
PERMETHRIN CIS		ND	0.00237/0.0082	N/A
PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
PIPERONYLBUTO-XIDE	3 µg/g	ND	0.00247/0.02	PASS
PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
PROPOXUR	Any amt	ND	0.00374/0.02	PASS
PYRETHRINS	0.5 µg/g	ND		PASS
PYRETHRINS PYRETHRIN I		ND	0.00726/0.04	N/A
PYRETHRINS PYRETHRIN II		ND	0.00754/0.02284	N/A
PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
SPINETORAM	0.1 µg/g	ND		PASS
SPINETORAM J		ND	0.00329/0.016	N/A
SPINETORAM L		ND	0.00157/0.016	N/A
SPINOSAD	0.1 µg/g	ND		PASS
SPINOSAD A		ND	0.00205/0.01438	N/A
SPINOSAD D		ND	0.00104/0.00498	N/A
SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
TRIFLOXYSTROB-IN	0.1 µg/g	ND	0.00421/0.02	PASS



MALATHION 0.5 µg/g ND 0.00472/0.02 PASS

BCL-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JUL 11, 2022

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-11: MYCOTOXIN TESTING BY LC-MS/MS // JUL 10, 2022

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/kg)	PASS/FAIL
AFLATOXIN B1		ND	0.23/4	N/A
AFLATOXIN B2		ND	0.181/4	N/A
AFLATOXIN G1		ND	0.155/4	N/A
AFLATOXIN G2		ND	0.934/4	N/A
AFLATOXINS	20 µg/kg	ND		PASS
OCHRATOXIN A	20 µg/kg	ND	0.385/4	PASS

BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JUL 09, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.50	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUL 09, 2022

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 // JUL 11, 2022

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
ESCHERICHIA COLI	Any amt in 1 gram	ND	PASS
SALMONELLA SPP.	Any amt in 1 gram	ND	PASS

BCL-020: HEAVY METAL TESTING BY ICP-MS // JUL 09, 2022

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	0.053	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

BCL-02: MOISTURE CONTENT BY GRAVIMETRY // JUL 09, 2022

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

