

## CERTIFICATE OF ANALYSIS

PRODUCED: APR 26, 2022

SAMPLE: GG4 (FLOWER) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



**BATCH NO.:** GHFGG40421SMOZ  
**METRC UID:** 1A406030000A423000005225  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-220422-162  
**COLLECTED ON:** APR 22, 2022  
**RECEIVED ON:** APR 22, 2022  
**BATCH/SAMPLE SIZE:** 22700 G / 80 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>25.72665 %</b>
<b>TOTAL CBD:</b>	<b>0.04533 %</b>
<b>SUM OF CANNABINOIDS:</b>	<b>29.40307 %</b>

### CULTIVATOR INFO

**CULTIVATOR**  
 MISSION HEALTH ASSOCIATES, INC.  
 DBA GLASS HOUSE FARMS  
 2211 DAMON STREET  
 LOS ANGELES, CA 9002

**LICENSE**  
 CCL18-0003034  
 ADULT-USE - CULTIVATOR LICENSE

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
 ALKHEMIST DM LLC  
 2211 DAMON STREET  
 LOS ANGELES, CA 9002

**LICENSE**  
 C11-0001456-LIC  
 ADULT-USE - DISTRIBUTOR LICENSE



### BCL-03: CANNABINOID POTENCY BY HPLC-UV // APR 24, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.05365 %	0.5365 mg/g	0.01095/0.2489	N/A
CBCA	0.20148 %	2.0148 mg/g	0.03136/0.2489	N/A
CBD	ND	ND	0.01543/0.2489	N/A
CBDA	0.05169 %	0.5169 mg/g	0.00796/0.2489	N/A
CBDV	ND	ND	0.01195/0.2489	N/A
CBDVA	ND	ND	0.00796/0.2489	N/A
CBG	0.06481 %	0.6481 mg/g	0.01444/0.2489	N/A
CBGA	0.33877 %	3.3877 mg/g	0.00996/0.2489	N/A
CBN	< LOQ	< LOQ	0.00796/0.2489	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02887/0.2489	N/A
Δ <sup>9</sup> -THC	5.40493 %	54.0493 mg/g	0.02091/0.2489	N/A
THCA	23.17186 %	231.7186 mg/g	0.01493/0.2489	N/A
THCV	ND	ND	0.01643/0.2489	N/A
THCVA	0.11588 %	1.1588 mg/g	0.01145/0.2489	N/A
TOT THC**	25.72665 %	257.2665 mg/g		N/A
TOT CBD**	0.04533 %	0.4533 mg/g		N/A

### BCL-09: TERPENOID TESTING BY HS-GC/FID // APR 25, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.90974 %	19.0974 mg/g		N/A
β-CARYOPHYLLENE	0.90773 %	9.0773 mg/g	0.00191/0.13944	N/A
D-LIMONENE	0.34324 %	3.4324 mg/g	0.00025/0.13944	N/A
β-MYRCENE	0.16689 %	1.6689 mg/g	0.00038/0.13944	N/A
α-HUMULENE	0.27960 %	2.7960 mg/g	0.00047/0.13944	N/A
α-BISABOLOL	0.07642 %	0.7642 mg/g	0.00435/0.13944	N/A
LINALOOL	0.06888 %	0.6888 mg/g	0.00037/0.13944	N/A
β-PINENE	0.04211 %	0.4211 mg/g	0.00226/0.13944	N/A
α-PINENE	0.02487 %	0.2487 mg/g	0.00022/0.13944	N/A
CAMPHENE	< LOQ	< LOQ	0.00022/0.13944	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.13944	N/A
α-TERPINENE	ND	ND	0.0003/0.13944	N/A
β-OCIMENE	ND	ND	0.0005/0.09622	N/A
α-OCIMENE	ND	ND	0.00135/0.04323	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.00046/0.13944	N/A
EUCALYPTOL	ND	ND	0.00047/0.13944	N/A
γ-TERPINENE	ND	ND	0.00047/0.13944	N/A
GERANIOL	ND	ND	0.00029/0.13944	N/A
GUAIOL	ND	ND	0.00272/0.13944	N/A
ISOPULEGOL	ND	ND	0.00054/0.13944	N/A
P-CYMENE	ND	ND	0.00027/0.13944	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.

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.  
 SCIENCE DIRECTOR, BELCOSTA LABS  
 APR 26, 2022



# REGULATORY COMPLIANCE TESTING

## BCL-13: PESTICIDE TESTING BY GC/MS // APR 24, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03142/0.09514	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01111/0.03369	N/A
CHLORDANE TRANS		ND	0.01063/0.03213	N/A
CHLORFENAPYR	Any amt	ND	0.02395/0.07251	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01117/0.03392	PASS
DICHLORVOS	Any amt	ND	0.01177/0.03566	PASS
METHYL PARATHION	Any amt	ND	0.0135/0.04091	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01404/0.04258	PASS

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 24, 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	< LOQ	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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 23, 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-020: HEAVY METAL TESTING BY ICP-MS // APR 23, 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	< LOQ	0.0003/0.05	PASS
MERCURY	0.1 µg/g	< LOQ	0.0001/0.01	PASS

**BCL-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // APR 23, 2022**

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.56	PASS

**BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // APR 24, 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-11: MYCOTOXIN TESTING BY LC-MS/MS // APR 24, 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-02: MOISTURE CONTENT BY GRAVIMETRY // APR 23, 2022**

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		11.20	N/A

