

## CERTIFICATE OF ANALYSIS

PRODUCED: JUN 28, 2021

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



**BATCH NO.:** GHFGG40625SMB  
**MATRIX:** FLOWER  
**CATEGORY:** INHALABLE  
**SAMPLE ID:** BCL-210625-145  
**COLLECTED ON:** JUN 25, 2021  
**RECEIVED ON:** JUN 25, 2021  
**BATCH/SAMPLE SIZE:** 11350 G / 40 G

### CANNABINOID OVERVIEW

<b>TOTAL THC:</b>	<b>23.85992 %</b>
<b>TOTAL CBD:</b>	<b>0.05528 %</b>
<b>TOTAL CANNABINOIDS:</b>	<b>27.89768 %</b>

### CULTIVATOR INFO

**CULTIVATOR**  
 MISSION HEALTH ASSOCIATES, INC  
 5601 CASITAS PASS RD  
 CARPINTERIA, CA 93013

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

### DISTRIBUTOR INFO

**DISTRIBUTOR**  
 ALKHEMIST DM LLC  
 1370 ESPERANZA ST, SUITE B  
 LOS ANGELES, CA 90023

**LICENSE**  
 C11-0000751-LIC  
 ADULT-USE AND MEDICINAL -  
 DISTRIBUTOR LICENSE



### BCL-03: CANNABINOID POTENCY BY HPLC-UV // JUN 27, 2021

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.01008/0.22906	N/A
CBCA	0.23065 %	2.3065 mg/g	0.02886/0.22906	N/A
CBD	ND	ND	0.0142/0.22906	N/A
CBDA	0.06303 %	0.6303 mg/g	0.00733/0.22906	N/A
CBDV	ND	ND	0.011/0.22906	N/A
CBDVA	ND	ND	0.00733/0.22906	N/A
CBG	0.04582 %	0.4582 mg/g	0.01329/0.22906	N/A
CBGA	0.34288 %	3.4288 mg/g	0.00916/0.22906	N/A
CBN	ND	ND	0.00733/0.22906	N/A
Δ <sup>8</sup> -THC	ND	ND	0.02657/0.22906	N/A
Δ <sup>9</sup> -THC	0.75710 %	7.5710 mg/g	0.01924/0.22906	N/A
THCA	26.34301 %	263.4301 mg/g	0.01374/0.22906	N/A
THCV	ND	ND	0.01512/0.22906	N/A
THCVA	0.11519 %	1.1519 mg/g	0.01054/0.22906	N/A
TOT THC **	23.85992 %	238.5992 mg/g		N/A
TOT CBD **	0.05528 %	0.5528 mg/g		N/A

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

### BCL-09: TERPENOID TESTING BY HS-GC/FID // JUN 27, 2021

ANALYTE	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
TOTAL TERPENES	1.43259 %	14.3259 mg/g		N/A
β-CARYOPHYLLENE	0.62996 %	6.2996 mg/g	1.79328/130.71895	N/A
D-LIMONENE	0.28531 %	2.8531 mg/g	0.23409/130.71895	N/A
α-HUMULENE	0.24160 %	2.4160 mg/g	0.43834/130.71895	N/A
β-MYRCENE	0.09840 %	0.9840 mg/g	0.35532/130.71895	N/A
α-BISABOLOL	0.05610 %	0.5610 mg/g	4.0761/130.71895	N/A
LINALOOL	0.05379 %	0.5379 mg/g	0.34647/130.71895	N/A
β-PINENE	0.04480 %	0.4480 mg/g	2.11622/130.71895	N/A
α-PINENE	0.02263 %	0.2263 mg/g	0.20182/130.71895	N/A
CAMPHENE	< LOQ	< LOQ	0.20301/130.71895	N/A
GERANIOL	< LOQ	< LOQ	0.27238/130.71895	N/A
α-TERPINENE	ND	ND	0.28116/130.71895	N/A
β-OCIMENE	ND	ND	0.46797/90.19608	N/A
α-OCIMENE	ND	ND	1.26205/40.52288	N/A
Δ <sup>3</sup> -CARENE	ND	ND	0.43082/130.71895	N/A
EUCALYPTOL	ND	ND	0.43767/130.71895	N/A
γ-TERPINENE	ND	ND	0.44122/130.71895	N/A
GUAIOL	ND	ND	2.5537/130.71895	N/A
ISOPULEGOL	ND	ND	0.50986/130.71895	N/A
P-CYMENE	ND	ND	0.25475/130.71895	N/A
TERPINOLENE	ND	ND	0.27646/130.71895	N/A

SAMPLE WAS TESTED AS RECEIVED. ALL LQC SAMPLES REQUIRED BY SECTION 5730 OF CALIFORNIA CODE OF REGULATIONS TITLE 16 DIVISION 42 BUREAU OF CANNABIS CONTROL WERE PERFORMED AND MET THE ACCEPTANCE CRITERIA.

RESULTS CERTIFIED BY: RON BROOKS, M.S.  
 LABORATORY DIRECTOR, BELCOSTA LABS  
 JUN 28, 2021



# REGULATORY COMPLIANCE TESTING

## BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JUN 28, 2021

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	0.01153/0.04	PASS	MALATHION	0.5 µg/g	ND	0.00472/0.02	PASS
ACEPHATE	0.1 µg/g	ND	0.00368/0.02	PASS	METALAXYL	2 µg/g	ND	0.00503/0.02	PASS
ACEQUINOCYL	0.1 µg/g	ND	0.00417/0.02	PASS	METHIOCARB	Any amt	ND	0.00503/0.02	PASS
ACETAMIPRID	0.1 µg/g	ND	0.00464/0.02	PASS	METHOMYL	1 µg/g	ND	0.00494/0.02	PASS
ALDICARB	Any amt	ND	0.01109/0.04	PASS	MEVINPHOS	Any amt	ND		PASS
AZOXYSTROBIN	0.1 µg/g	ND	0.00639/0.02	PASS	MEVINPHOS I		ND	0.00163/0.0084	N/A
BIFENAZATE	0.1 µg/g	ND	0.00355/0.02	PASS	MEVINPHOS II		ND	0.00542/0.0316	N/A
BIFENTHRIN	3 µg/g	ND	0.00473/0.04	PASS	MYCLOBUTANIL	0.1 µg/g	ND	0.00867/0.04	PASS
BOSCALID	0.1 µg/g	ND	0.00494/0.02	PASS	NALED	0.1 µg/g	ND	0.00328/0.02	PASS
CARBARYL	0.5 µg/g	ND	0.00295/0.02	PASS	OXAMYL	0.5 µg/g	ND	0.00455/0.02	PASS
CARBOFURAN	Any amt	ND	0.00613/0.02	PASS	PACLOBUTRAZOL	Any amt	ND	0.00714/0.04	PASS
CHLORANTRANIL-IPROLE	10 µg/g	ND	0.00697/0.04	PASS	PERMETHRIN	0.5 µg/g	ND		PASS
CLOFENTEZINE	0.1 µg/g	ND	0.0054/0.02	PASS	PERMETHRIN CIS		ND	0.00237/0.0082	N/A
COUMAPHOS	Any amt	ND	0.00215/0.02	PASS	PERMETHRIN TRANS		ND	0.00245/0.0118	N/A
CYFLUTHRIN	2 µg/g	ND	0.05508/0.2	PASS	PHOSMET	0.1 µg/g	ND	0.0043/0.02	PASS
CYPERMETHRIN	1 µg/g	ND	0.00556/0.04	PASS	PIPERONYLBUTOXIDE	3 µg/g	ND	0.00247/0.02	PASS
DAMINOZIDE	Any amt	ND	0.00227/0.04	PASS	PRALLETHRIN	0.1 µg/g	ND	0.00392/0.02	PASS
DIAZINON	0.1 µg/g	ND	0.00487/0.02	PASS	PROPICONAZOLE	0.1 µg/g	ND	0.0024/0.02	PASS
DIMETHOATE	Any amt	ND	0.00354/0.02	PASS	PROPOXUR	Any amt	ND	0.00374/0.02	PASS
DIMETHOMORPH	2 µg/g	ND		PASS	PYRETHRINS	0.5 µg/g	ND	0.00726/0.04	PASS
DIMETHOMORPH I		ND	0.00109/0.0078	N/A	PYRIDABEN	0.1 µg/g	ND	0.0034/0.02	PASS
DIMETHOMORPH II		ND	0.0015/0.0122	N/A	SPINETORAM	0.1 µg/g	ND		PASS
ETHOPROPHOS	Any amt	ND	0.0041/0.02	PASS	SPINETORAM J		ND	0.00329/0.016	N/A
ETOFENPROX	Any amt	ND	0.00274/0.02	PASS	SPINETORAM L		ND	0.00157/0.016	N/A
ETOXAZOLE	0.1 µg/g	ND	0.00385/0.02	PASS	SPINOSAD	0.1 µg/g	ND		PASS
FENHEXAMID	0.1 µg/g	ND	0.01055/0.02	PASS	SPINOSAD A		ND	0.00205/0.01438	N/A
FENOXYCARB	Any amt	ND	0.00175/0.02	PASS	SPINOSAD D		ND	0.00104/0.00498	N/A
FENPYROXIMATE	0.1 µg/g	ND	0.00481/0.02	PASS	SPIROMESIFEN	0.1 µg/g	ND	0.00944/0.04	PASS
FIPRONIL	Any amt	ND	0.00478/0.02	PASS	SPIROTETRAMAT	0.1 µg/g	ND	0.00208/0.02	PASS
FLONICAMID	0.1 µg/g	ND	0.00398/0.02	PASS	SPIROXAMINE	Any amt	ND	0.00344/0.02	PASS
FLUDIOXONIL	0.1 µg/g	ND	0.01369/0.04	PASS	TEBUCONAZOLE	0.1 µg/g	ND	0.00816/0.04	PASS
HEXYTHIAZOX	0.1 µg/g	ND	0.00297/0.02	PASS	THIACLOPRID	Any amt	ND	0.0039/0.02	PASS
IMAZALIL	Any amt	ND	0.0056/0.02	PASS	THIAMETHOXAM	5 µg/g	ND	0.00358/0.02	PASS
IMIDACLOPRID	5 µg/g	ND	0.00645/0.02	PASS	TRIFLOXYSTROBIN	0.1 µg/g	ND	0.00421/0.02	PASS
KRESOXIM-METHYL	0.1 µg/g	ND	0.00339/0.02	PASS					

## BCL-13: PESTICIDE TESTING BY GC/MS // JUN 28, 2021

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	0.01977/0.06	PASS	CHLORPYRIFOS	Any amt	ND	0.01653/0.06	PASS
CHLORDANE	Any amt	ND		PASS	DICHLORVOS	Any amt	ND	0.01165/0.06	PASS
CHLORDANE CIS		ND	0.01199/0.03	N/A	METHYL PARATHION	Any amt	ND	0.00851/0.06	PASS
CHLORDANE TRANS		ND	0.01082/0.03	N/A	PENTACHLORONITROBENZENE	0.1 µg/g	ND	0.01282/0.06	PASS
CHLORFENAPYR	Any amt	ND	0.01364/0.06	PASS					



## BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JUN 26, 2021

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 // JUN 26, 2021

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 // JUN 27, 2021

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.57	PASS

## BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // JUN 27, 2021

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 // JUN 28, 2021

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 // JUN 26, 2021

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		13.50	N/A

