

CERTIFICATE OF ANALYSIS

PRODUCED: APR 18, 2022

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



BATCH NO.: GHFTRH1010413SMB
METRC UID: 1A406030003DC49000000984
MATRIX: FLOWER
CATEGORY: INHALABLE
SAMPLE ID: BCL-220413-007
COLLECTED ON: APR 13, 2022
RECEIVED ON: APR 13, 2022
BATCH/SAMPLE SIZE: 7363 G / 26 G

CANNABINOID OVERVIEW

TOTAL THC:	27.31276 %
TOTAL CBD:	0.06869 %
SUM OF CANNABINOIDS:	31.78647 %

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 17, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	ND	ND	0.01038/0.23594	N/A
CBCA	0.36962 %	3.6962 mg/g	0.02973/0.23594	N/A
CBD	ND	ND	0.01463/0.23594	N/A
CBDA	0.07832 %	0.7832 mg/g	0.00755/0.23594	N/A
CBDV	ND	ND	0.01133/0.23594	N/A
CBDVA	ND	ND	0.00755/0.23594	N/A
CBG	0.15450 %	1.5450 mg/g	0.01368/0.23594	N/A
CBGA	0.22160 %	2.2160 mg/g	0.00944/0.23594	N/A
CBN	ND	ND	0.00755/0.23594	N/A
Δ ⁸ -THC	ND	ND	0.02737/0.23594	N/A
Δ ⁹ -THC	2.41162 %	24.1162 mg/g	0.01982/0.23594	N/A
THCA	28.39355 %	283.9355 mg/g	0.01416/0.23594	N/A
THCV	ND	ND	0.01557/0.23594	N/A
THCVA	0.15726 %	1.5726 mg/g	0.01085/0.23594	N/A
TOT THC**	27.31276 %	273.1276 mg/g		N/A
TOT CBD**	0.06869 %	0.6869 mg/g		N/A

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

BCL-09: TERPENOID TESTING BY HS-GC/FID // APR 15, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.71405 %	17.1405 mg/g		N/A
β-CARYOPHYLLENE	0.64934 %	6.4934 mg/g	0.00185/0.1348	N/A
D-LIMONENE	0.39209 %	3.9209 mg/g	0.00024/0.1348	N/A
α-HUMULENE	0.21598 %	2.1598 mg/g	0.00045/0.1348	N/A
LINALOOL	0.11384 %	1.1384 mg/g	0.00036/0.1348	N/A
β-MYRCENE	0.10529 %	1.0529 mg/g	0.00037/0.1348	N/A
GUAIOL	0.08141 %	0.8141 mg/g	0.00263/0.1348	N/A
β-PINENE	0.07072 %	0.7072 mg/g	0.00218/0.1348	N/A
α-PINENE	0.06171 %	0.6171 mg/g	0.00021/0.1348	N/A
β-OCIMENE	0.02367 %	0.2367 mg/g	0.00048/0.09301	N/A
TERPINOLENE	< LOQ	< LOQ	0.00029/0.1348	N/A
CAMPHENE	< LOQ	< LOQ	0.00021/0.1348	N/A
Δ ³ -CARENE	ND	ND	0.00044/0.1348	N/A
EUCALYPTOL	ND	ND	0.00045/0.1348	N/A
γ-TERPINENE	ND	ND	0.00045/0.1348	N/A
GERANIOL	ND	ND	0.00028/0.1348	N/A
α-TERPINENE	ND	ND	0.00029/0.1348	N/A
ISOPULEGOL	ND	ND	0.00053/0.1348	N/A
α-OCIMENE	ND	ND	0.0013/0.04179	N/A
P-CYMENE	ND	ND	0.00026/0.1348	N/A
α-BISABOLOL	ND	ND	0.0042/0.1348	N/A

RESULTS CERTIFIED BY: CODY SHEPPARD, PH.D.
 SCIENCE DIRECTOR, BELCOSTA LABS
 APR 18, 2022

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.



BCL-13: PESTICIDE TESTING BY GC/MS // APR 15, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CAPTAN	0.7 µg/g	ND	0.03085/0.09343	PASS
CHLORDANE	Any amt	ND		PASS
CHLORDANE CIS		ND	0.01091/0.03308	N/A
CHLORDANE TRANS		ND	0.01044/0.03155	N/A
CHLORFENAPYR	Any amt	ND	0.02352/0.0712	PASS

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
CHLORPYRIFOS	Any amt	ND	0.01097/0.03331	PASS
DICHLORVOS	Any amt	ND	0.01155/0.03501	PASS
METHYL PARATHION	Any amt	ND	0.01326/0.04018	PASS
PENTACHLORONI-TROBENZENE	0.1 µg/g	ND	0.01378/0.04182	PASS

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // APR 15, 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-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // APR 14, 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 14, 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 14, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.51	PASS

BCL-06: MICROBIOLOGICAL ANALYSIS BY QPCR // APR 15, 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 15, 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 14, 2022

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

