

CERTIFICATE OF ANALYSIS

PRODUCED: JAN 25, 2022

SAMPLE: SOUR DIESEL (PRE-ROLL) // CLIENT: ALKHEMIST DM LLC // BATCH: PASS



BATCH NO.: GHFSOD0113MP
METRC UID: 1A406030000A423000004538
MATRIX: PRE-ROLL
CATEGORY: INHALABLE
SAMPLE ID: BCL-220121-124
COLLECTED ON: JAN 21, 2022
RECEIVED ON: JAN 21, 2022
BATCH/SAMPLE SIZE: 1750 UNITS / 13 UNITS
PACKAGE SIZE: 2.5 G

CANNABINOID OVERVIEW

TOTAL THC:	25.87146 %
TOTAL CBD:	0.15252 %
TOTAL CANNABINOIDS:	30.86065 %

MANUFACTURER INFO

MANUFACTURER
 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 // JAN 24, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
CBC	0.05243 %	0.5243 mg/g	0.0109/0.24767	N/A
CBCA	0.23490 %	2.3490 mg/g	0.03121/0.24767	N/A
CBD	ND	ND	0.01536/0.24767	N/A
CBDA	0.17391 %	1.7391 mg/g	0.00793/0.24767	N/A
CBDV	ND	ND	0.01189/0.24767	N/A
CBDVA	ND	ND	0.00793/0.24767	N/A
CBG	0.13975 %	1.3975 mg/g	0.01436/0.24767	N/A
CBGA	0.88470 %	8.8470 mg/g	0.00991/0.24767	N/A
CBN	ND	ND	0.00793/0.24767	N/A
Δ ⁸ -THC	ND	ND	0.02873/0.24767	N/A
Δ ⁹ -THC	1.94432 %	19.4432 mg/g	0.0208/0.24767	N/A
THCA	27.28294 %	272.8294 mg/g	0.01486/0.24767	N/A
THCV	ND	ND	0.01635/0.24767	N/A
THCVA	0.14770 %	1.4770 mg/g	0.01139/0.24767	N/A
TOT THC **	25.87146 %	258.7146 mg/g		N/A
TOT CBD **	0.15252 %	1.5252 mg/g		N/A
CBD/PKG	ND			N/A
Δ ⁹ -THC/PKG	48.61 mg			N/A
TOT CBD/PKG **	3.81 mg			N/A
TOT THC/PKG **	646.79 mg			N/A

BCL-09: TERPENOID TESTING BY HS-GC/FID // JAN 23, 2022

ANALYTE	AMT	AMT	LOD/LOQ (mg/g)	PASS/FAIL
TOTAL TERPENES	1.10614 %	11.0614 mg/g		N/A
β-CARYOPHYLLENE	0.42679 %	4.2679 mg/g	0.00188/0.13709	N/A
α-HUMULENE	0.17535 %	1.7535 mg/g	0.00046/0.13709	N/A
D-LIMONENE	0.14976 %	1.4976 mg/g	0.00025/0.13709	N/A
β-MYRCENE	0.14105 %	1.4105 mg/g	0.00037/0.13709	N/A
LINALOOL	0.12108 %	1.2108 mg/g	0.00036/0.13709	N/A
α-BISABOLOL	0.07281 %	0.7281 mg/g	0.00427/0.13709	N/A
β-PINENE	0.01930 %	0.1930 mg/g	0.00222/0.13709	N/A
α-PINENE	< LOQ	< LOQ	0.00021/0.13709	N/A
α-TERPINENE	ND	ND	0.00029/0.13709	N/A
β-OCIMENE	ND	ND	0.00049/0.09459	N/A
CAMPHERE	ND	ND	0.00021/0.13709	N/A
Δ ³ -CARENE	ND	ND	0.00045/0.13709	N/A
EUCALYPTOL	ND	ND	0.00046/0.13709	N/A
γ-TERPINENE	ND	ND	0.00046/0.13709	N/A
GERANIOL	ND	ND	0.00029/0.13709	N/A
GUAIOL	ND	ND	0.00268/0.13709	N/A
ISOPULEGOL	ND	ND	0.00053/0.13709	N/A
α-OCIMENE	ND	ND	0.00132/0.0425	N/A
P-CYMENE	ND	ND	0.00027/0.13709	N/A
TERPINOLENE	ND	ND	0.00029/0.13709	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
 JAN 25, 2022



REGULATORY COMPLIANCE TESTING

BCL-05: RESIDUAL PESTICIDE ANALYSIS BY LC-MS/MS ESI // JAN 24, 2022

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 // JAN 24, 2022

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-18: RESIDUAL SOLVENTS ANALYSIS BY HS-GC-MS // JAN 23, 2022

ANALYTE	LIMIT	AMT (µg/g)	LOD/LOQ (µg/g)	PASS/FAIL
1,2-DICHLOROETHANE	1 µg/g	ND	0.17145/0.59809	PASS
ACETONE	5000 µg/g	ND	19.29825/59.80861	PASS
ACETONITRILE	410 µg/g	ND	17.1252/59.80861	PASS
BENZENE	1 µg/g	ND	0.07576/0.59809	PASS
BUTANE	5000 µg/g	ND	18.05821/59.80861	PASS
CHLOROFORM	1 µg/g	ND	0.17544/0.59809	PASS
ETHANOL	5000 µg/g	ND	14.80463/59.80861	PASS
ETHYL ACETATE	5000 µg/g	ND	18.2815/59.80861	PASS
ETHYLENE OXIDE	1 µg/g	ND	0.19139/0.59809	PASS
ETHYL ETHER	5000 µg/g	ND	16.10447/59.80861	PASS
HEPTANE	5000 µg/g	ND	14.09091/59.80861	PASS
HEXANE	290 µg/g	ND	21.69458/99.68102	PASS
ISOPROPYL ALCOHOL	5000 µg/g	ND	14.95215/59.80861	PASS
METHANOL	3000 µg/g	ND	13.40909/59.80861	PASS
METHYLENE CHLORIDE	1 µg/g	ND	0.15152/0.59809	PASS
PENTANE	5000 µg/g	ND	32.97448/99.68102	PASS
PROPANE	5000 µg/g	ND	17.03748/59.80861	PASS
TOLUENE	890 µg/g	ND	9.41388/59.80861	PASS
TRICHLOROETHYLENE	1 µg/g	ND	0.07974/0.59809	PASS
O-XYLENE		ND	4.45774/29.90431	N/A
P- AND M-XYLENE		ND	4.13078/29.90431	N/A
TOTAL XYLENES	2170 µg/g	ND		PASS

BCL-11: MYCOTOXIN TESTING BY LC-MS/MS // JAN 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-12: WATER ACTIVITY BY HUMIDITY EQUILIBRIUM // JAN 23, 2022

ANALYTE	LIMIT	AMT (Aw)	PASS/FAIL
WATER ACTIVITY	0.65 Aw	0.45	PASS

BCL-07: FOREIGN MATERIAL TESTING BY MICROSCOPY // JAN 22, 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 // JAN 23, 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 // JAN 22, 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-02: MOISTURE CONTENT BY GRAVIMETRY // JAN 22, 2022

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE		12.70	N/A

