



DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

**FIVE FARMS LLC**  
1184 MIRAMAR STREET  
LAGUNA BEACH, CA 92651

Batch # LE220002  
Batch Date: 2022-03-18  
Extracted From: Full Spectrum

Sampling Method: MSP 7.3.1  
Test Reg State: Florida

Order # FIV220318-020001  
Order Date: 2022-03-18  
Sample # AACP304

Sampling Date: 2022-03-22  
Lab Batch Date: 2022-03-22  
Completion Date: 2022-03-30

Initial Gross Weight: 73.825 g  
Net Weight: 27.294 g

Number of Units: 1  
Net Weight per Unit: 27294.000 mg



Product Image

Potency Tested	Terpenes Tested	Heavy Metals Passed	Mycotoxins Passed	Pesticides Passed
Residual Solvents Passed	Listeria Monocytogenes Passed	Pathogenic Passed		

**Potency - 11** (LCUV) Tested

Specimen Weight: 95.830 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	56.390	5.639
CBG	1000.000	0.000248	0.001	5.640	0.564
CBC	1000.000	0.000018	0.001	3.310	0.331
Delta-9 THC	1000.000	0.000013	0.001	2.650	0.265
CBN	1000.000	0.000014	0.001	1.270	0.127
CBDV	1000.000	0.000065	0.001	0.470	0.047
CBDA	1000.000	0.00001	0.001	0.370	0.037
THCV	1000.000	0.000007	0.001	0.160	0.016
Delta-8 THC	1000.000	0.000026	0.001	<LOQ	<LOQ
CBGA	1000.000	0.000008	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ

**Potency Summary**

<b>0.265%</b> Total THC	72.330mg	<b>5.671%</b> Total CBD	1,547.840mg
<b>0.564%</b> Total CBG	153.940mg	<b>0.127%</b> Total CBN	34.660mg
<b>0.394%</b> Other Cannabinoids	107.540mg	<b>7.021%</b> Total Cannabinoids	1,916.310mg

**Terpenes Summary**

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	16.636	1.664%
beta-Pinene	2.076	0.208%
Gamma-Terpinene	2.074	0.207%
alpha-Bisabolol	1.832	0.183%
Guaifol	0.464	0.046%
alpha-Pinene	0.422	0.042%
beta-Myrcene	0.39	0.039%

**Total Terpenes: 2.389%**

Detailed Terpenes Analysis is on the following page

*Xueli Gao*  
Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

*Aixia Sun*  
Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
Lab Director/Principal Scientist



Definitions and Abbreviations used in this report: \*Total CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*Total THCV = THCV + (THCVA \* 0.87), \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Total CBC = CBC + (CBCA \* 0.877), \*Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, \*Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, \*Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, \*Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 10%

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Sampling Date: 2022-03-22  
Lab Batch Date: 2022-03-22  
Completion Date: 2022-03-30

Initial Gross Weight: 73.825 g  
Net Weight: 27.294 g

Number of Units: 1  
Net Weight per Unit: 27294.000 mg

## Terpenes Tested (GC/GCMS)

Specimen Weight: 101.900 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(-)-Limonene	0.002	16.636	1.664	Total Terpeneol	0.001	<LOQ	<LOQ
beta-Pinene	0.002	2.076	0.208	(+)-Cedrol	0.002	<LOQ	<LOQ
Gamma-Terpinene	0.002	2.074	0.207	Fenchyl Alcohol	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	1.832	0.183	Geranyl acetate	0.002	<LOQ	<LOQ
Guaiol	0.002	0.464	0.046	Geraniol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	0.422	0.042	Fenchone	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	0.390	0.039	Farnesene	0.002	<LOQ	<LOQ
Nerol	0.002	<LOQ	<LOQ	Eucalyptol	0.002	<LOQ	<LOQ
trans-Nerolidol	0.002	<LOQ	<LOQ	cis-Nerolidol	0.002	<LOQ	<LOQ
Hexahydrothymol	0.002	<LOQ	<LOQ	Caryophyllene oxide	0.002	<LOQ	<LOQ
Isoborneol	0.002	<LOQ	<LOQ	Camphors	0.006	<LOQ	<LOQ
Isopulegol	0.002	<LOQ	<LOQ	Camphene	0.002	<LOQ	<LOQ
Linalool	0.002	<LOQ	<LOQ	Borneol	0.004	<LOQ	<LOQ
Pulegone	0.002	<LOQ	<LOQ	alpha-Terpinene	0.002	<LOQ	<LOQ
Ocimene	0.000	<LOQ	<LOQ	alpha-Phellandrene	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	<LOQ	<LOQ	alpha-Humulene	0.002	<LOQ	<LOQ
Sabinene	0.002	<LOQ	<LOQ	alpha-Cedrene	0.002	<LOQ	<LOQ
Sabinene Hydrate	0.002	<LOQ	<LOQ	3-Carene	0.002	<LOQ	<LOQ
Terpinolene	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Total Terpenes: 2.389%

## Mycotoxins

Specimen Weight: 169.900 mg

Dilution Factor: 8.829

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ
Aflatoxin G1	6	20	<LOQ				

## Passed Heavy Metals

Specimen Weight: 246.010 mg

Dilution Factor: 203

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Lead (Pb)	100	500	<LOQ
Cadmium (Cd)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ

Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

Aixia Sun  
Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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## Pesticides FL V4

Specimen Weight: 169.900 mg

Passed  
(LCMS/GCMS)

Dilution Factor: 8.829

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazalil	30	100	<LOQ
Acetaminiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metaxalyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methyl-Parathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantranilprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlordane	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Pacllobutrazol	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Etoxazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiacloprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

## Residual Solvents - FL (CBD)

Specimen Weight: 119.700 mg

Passed  
(GCMS)

Dilution Factor: 50.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	<LOQ
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	<LOQ	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

## Pathogenic SAE (qPCR)

Specimen Weight: 234.500 mg

Passed  
(qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

## Listeria Monocytogenes

Specimen Weight: 979.700 mg

Passed  
(qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

*Xueli Gao*  
Xueli Gao Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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