



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

Certificate of Analysis

Compliance Test

FARMERS' EXTRACTS
502 SHAW ROAD
STE 103
STERLING, VA 20166

Batch # 600205BD
Batch Date: 2022-06-10
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # FAR220616-070001
Order Date: 2022-06-16
Sample # AACZ092

Sampling Date: 2022-06-23
Lab Batch Date: 2022-06-23
Completion Date: 2022-06-29

Initial Gross Weight: 22.245 g



Product Image

Potency Tested	HHC Tested	HHC Metals Passed	2,3-Butanedione Passed	Mycotoxins Passed
Pesticides Passed	Residual Solvents Passed	Pathogenic Microbiology Passed	Listeria Monocytogenes Passed	Vitamin E Passed

Potency 21 (LCUV)

Specimen Weight: 55.860 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBN	10.000	1.40E-5	0.0015	11.9800	1.1980
Delta-8 THC	10.000	2.60E-5	0.0015	2.0390	0.2039
CBC	100.000	1.80E-5	0.0015	2.0200	0.2020
CBCA	10.000	1.07E-4	0.0015	1.0940	0.1094
CBGA	10.000	8.00E-5	0.0015	<LOQ	
THCVA	10.000	4.70E-5	0.0015	<LOQ	
CBD	10.000	5.40E-5	0.0015	<LOQ	
CBDA	10.000	1.00E-5	0.0015	<LOQ	
CBDV	10.000	6.50E-5	0.0015	<LOQ	
THCV	10.000	7.00E-6	0.0015	<LOQ	
CBL	10.000	3.50E-5	0.0015	<LOQ	
THCA	10.000	3.20E-5	0.0015	<LOQ	
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	
Delta-9 THC-O Acetate	10.000	7.70E-5	0.0003	<LOQ	
Delta-8 THC	10.000	4.00E-5	0.0015	<LOQ	
Delta-8 THC-O Acetate	10.000	2.70E-5	0.0003	<LOQ	
CBDVA	10.000	1.40E-5	0.0015	<LOQ	
CBT	10.000	2.00E-4	0.0015	<LOQ	
CBNA	10.000	9.50E-5	0.0015	<LOQ	
CBG	10.000	2.48E-4	0.0015	<LOQ	
Delta-9 THC	10.000	1.30E-5	0.0015	<LOQ	

Tested SOP13.002 (LCUV)

Potency Summary

Total HHC 80.12320%	-	Total THC None Detected
-	Total CBD None Detected	-
Total CBD None Detected	-	Total CBG None Detected
Total CBN 1.198%		Other Cannabinoids 0.502%
Total Cannabinoids 81.823%		

Xueli Gao
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Ph.D., DABT
Lab Toxicologist

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



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Initial Gross Weight: 22.245 g



Pesticides FL V4

Specimen Weight: 274.000 mg

Passed

SOP13.007 (LCMS/GCMS)

Dilution Factor: 5.470

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Padobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E-2	30	3000	<LOQ
Ethioniazine	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamin	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiadoprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Fonicamid	5.1700E-1	30	2000	<LOQ					

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Lab Toxicologist

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Initial Gross Weight: 22.245 g



Residual Solvents - FL (CBD)

Passed

SOP13.039 (GCMS)

Specimen Weight: 12.800 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloro ethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloro ethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					



HHC Metals

Passed

13.051 (ICP-MS)

Specimen Weight: 246.940 mg

Dilution Factor: 202.478

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aluminum (Al)	1.8E+0	1000	na	15430.2	Nickel (Ni)	1.5E-1	250	500	<LOQ
Arsenic (As)	1.9E-2	100	200	<LOQ	Palladium (Pd)	7.0E-3	50	100	<LOQ
Cadmium (Cd)	4.0E-3	100	200	<LOQ	Platinum (Pt)	1.3E-2	50	100	<LOQ
Lead (Pb)	1.0E-2	100	500	<LOQ	Zinc (Zn)	4.1E-1	1000	na	<LOQ
Mercury (Hg)	4.4E-2	100	200	<LOQ					

Pathogenic Microbiology SAE (MicroArray)

Passed

SOP13.019 (Micro Array)

Specimen Weight: 1009.820 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g



Mycotoxins

Passed

SOP13.007 (LCMS)

Specimen Weight: 274.000 mg

Dilution Factor: 5.470

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



HHC

Tested

SOP13.050 (LCMS)

Specimen Weight: 55.860 mg

Dilution Factor: 1.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)
(9R)-HHC	3.1100E-7	7.5E-5	272.0000	(+)-9B-hydroxy-HHC	4.5800E-7	7.5E-5	0.2320
(9S)-HHC	8.7400E-7	7.5E-5	529.0000	Total HHC	7.5E-5	5	801.2320

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2,3-butanedione(Diacetyl)

Passed

Specimen Weight: 12.800 mg

SOP13.039 (GCMS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butane dione	.024	0.024	<LOQ



Listeria Monocytogenes

Passed

Specimen Weight: 1017.100 mg

SOP13.010 (qPCR)

Dilution Factor: 1.000

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



Vitamin E (Tocopheryl Acetate)

Passed

Specimen Weight: 274.000 mg

SOP13.007 (LC-MS)

Dilution Factor: 5.470

Analyte	LOD (ppb)	Result (ppb)
Vitamin E Acetate	.705	<LOQ

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