



Certificate of Analysis
Compliance Test

Client Information:

Fresh Farm Eliquid
151 Kalmus Dr
Unit L3
Costa Mesa, California 92626

Batch # 00004
Batch Date: 2024-01-15
Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF384

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Orig. Completion Date: 2024-01-26

Initial Gross Weight: 292.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Retest results



Product Image



Potency Tested



Terpenes Tested



Heavy Metals Passed



Mycotoxins Passed



Pesticides Passed



Residual Solvents Passed



Pathogenic Microbiology Passed



Microbiology (qPCR) Passed

Potency 25 (LCUV)
Specimen Weight: 101.120 mg

Tested
SOP13.001,SOP13.002 (LCUV)

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	10.000	3.20E-5	0.015	997.7741	99.7774
THCVA	10.000	4.70E-5	0.015	4.3890	0.4389
CBNA	10.000	9.50E-5	0.015	4.2270	0.4227
Exo-THC	10.000	2.30E-4	0.015	4.1890	0.4189
Delta-9 THC	10.000	1.30E-5	0.015	1.8543	0.1854
Delta-8 THC	10.000	2.60E-5	0.015	0.2716	0.0272
CBC	10.000	1.80E-5	0.015	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.015	<LOQ	<LOQ
CBD	10.000	5.40E-5	0.015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.015	<LOQ	<LOQ
CBN	10.000	1.40E-5	0.015	<LOQ	<LOQ
CBT	10.000	2.00E-4	0.015	<LOQ	<LOQ
Delta-8 THC-O Acetate	10.000	2.70E-5	0.025	<LOQ	<LOQ
Delta-8 THCV	10.000	4.00E-5	0.015	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.025	<LOQ	<LOQ
Delta8-THCP *	10.000	3.75E-4	0.015	<LOQ	<LOQ
Delta9-THCP *	10.000	1.17E-5	0.012	<LOQ	<LOQ
THCB *	10.000	1.80E-4	0.0163	<LOQ	<LOQ
THCH *	10.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	10.000			<LOQ	<LOQ
Total Active THC	10.000			876.902	87.690

Potency Summary

Total Active THC 87.690%	1,753.804 mg	Total Active CBD None Detected
Total CBG None Detected		Total CBN 0.371%
Other Cannabinoids 0.412%	<LOQ	Total Cannabinoids 88.473%
Total THCA-A 99.777%	1995.54 mg	1,769.460 mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	4.506	0.451%
(R)-(+)-Limonene	2.986	0.299%
beta-Myrcene	1.87	0.187%
Linalool	1.204	0.12%
Caryophyllene oxide	1.027	0.103%
Valencene	0.861	0.086%
alpha-Phellandrene	0.731	0.073%
Isoborneol	0.708	0.071%
alpha-Humulene	0.646	0.065%
beta-Pinene	0.533	0.053%
alpha-Pinene	0.416	0.042%
alpha-Bisabolol	0.407	0.041%

Total Terpenes: 1.591%

Detailed Terpenes Analysis is on the following page

Aixia Sun

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

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling. Revised report- see statement of amendment above.

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Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF384

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Orig. Completion Date: 2024-01-26

Initial Gross Weight: 292.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Terpenes
Specimen Weight: 101.120 mg

Tested
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	4.506	0.451	cis-Nerolidol	0.002	<LOQ	
(R)-(+)-Limonene	0.002	2.986	0.299	Eucalyptol	0.002	<LOQ	
beta-Myrcene	0.002	1.870	0.187	Farnesene	0.002	<LOQ	
Linalool	0.002	1.204	0.120	Fenchone	0.002	<LOQ	
Caryophyllene oxide	0.002	1.027	0.103	Fenchyl Alcohol	0.002	<LOQ	
Valencene	0.002	0.861	0.086	Gamma-Terpinene	0.002	<LOQ	
alpha-Phellandrene	0.002	0.731	0.073	Geraniol	0.002	<LOQ	
Isoborneol	0.002	0.708	0.071	Geranyl acetate	0.002	<LOQ	
alpha-Humulene	0.002	0.646	0.065	Guaiol	0.002	<LOQ	
beta-Pinene	0.002	0.533	0.053	Hexahydrothymol	0.002	<LOQ	
alpha-Pinene	0.002	0.416	0.042	Isopulegol	0.002	<LOQ	
alpha-Bisabolol	0.002	0.407	0.041	Nerol	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Ocimene	0.00033	<LOQ	
3-Carene	0.002	<LOQ		Pulegone	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Sabinene	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Borneol	0.004	<LOQ		Terpinolene	0.002	<LOQ	
Camphene	0.002	<LOQ		Total Terpinol	0.00126	<LOQ	
Camphors	0.006	<LOQ		trans-Nerolidol	0.002	<LOQ	

Total Yeast and Mold
Specimen Weight: 511.600 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed

Pathogenic Microbiology SAE (MicroArray)
Specimen Weight: 1011.300 mg

Passed
SOP13.019 (Micro Array)

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

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Definitions are found on page 1

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Initial Gross Weight: 292.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Heavy Metals
Specimen Weight: 245.500 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 203

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	.58	100	200	<LOQ

Mycotoxins
Specimen Weight: 385.100 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 3.900

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Residual Solvents - FL (CBD)
Specimen Weight: 300.200 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 500.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	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	737.154
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					

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Lab Batch Date: 2024-01-23
Orig. Completion Date: 2024-01-26

Initial Gross Weight: 292.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 385.100 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 3.900

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Chlorpyrifos	3.5000E-2	30	100	32.266	Permethrin	3.4300E-1	30	100	<LOQ
Chlorfentazine	1.1900E-1	30	200	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ					

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Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF387

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-29

Initial Gross Weight: 274.500 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1



Product Image

Potency Tested **Terpenes Tested** **Heavy Metals Passed** **Mycotoxins Passed** **Pesticides Passed**
Residual Solvents Passed **Pathogenic Microbiology Passed** **Microbiology (qPCR) Passed**

Potency 25 (LCUV)
Specimen Weight: 500.340 mg

Tested
SOP13.001 (LCUV)

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	50.000	3.20E-5	0.015	997.9177	99.7918
THCVA	50.000	4.70E-5	0.015	5.2200	0.5220
Exo-THC	50.000	2.30E-4	0.015	4.5580	0.4558
CBNA	50.000	9.50E-5	0.015	3.1680	0.3168
Delta-9 THC	50.000	1.30E-5	0.015	1.7981	0.1798
Delta-8 THC	50.000	2.60E-5	0.015	0.1842	0.0184
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ
CBCA	50.000	1.07E-4	0.015	<LOQ	<LOQ
CBD	50.000	5.40E-5	0.015	<LOQ	<LOQ
CBDA	50.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	50.000	6.50E-5	0.015	<LOQ	<LOQ
CBDVA	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBG	50.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	50.000	8.00E-5	0.015	<LOQ	<LOQ
CBL	50.000	3.50E-5	0.015	<LOQ	<LOQ
CBN	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBT	50.000	2.00E-4	0.015	<LOQ	<LOQ
Delta-8 THC-O Acetate	50.000	2.70E-5	0.025	<LOQ	<LOQ
Delta-8 THCV	50.000	4.00E-5	0.015	<LOQ	<LOQ
Delta-9 THC-O Acetate	50.000	7.70E-5	0.025	<LOQ	<LOQ
Delta8-THCP *	50.000	3.75E-4	0.015	<LOQ	<LOQ
Delta9-THCP *	50.000	1.17E-5	0.012	<LOQ	<LOQ
THCB *	50.000	1.80E-4	0.0163	<LOQ	<LOQ
THCH *	50.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	50.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	50.000			<LOQ	<LOQ
Total Active THC	50.000			876.972	87.697

Potency Summary

Total Active THC 87.697% 1,753.944 mg	Total Active CBD None Detected
Total CBG None Detected	Total CBN 0.278% 5.560 mg
Other Cannabinoids 0.476% <LOQ	Total Cannabinoids 88.451% 1,769.020 mg
Total THCA-A 99.792% 1995.84 mg	

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	3.666	0.367%
(R)-(+)-Limonene	2.533	0.253%
beta-Myrcene	1.547	0.155%
Linalool	0.824	0.082%
alpha-Phellandrene	0.753	0.075%
Isoborneol	0.618	0.062%
beta-Pinene	0.385	0.039%
Fenchyl Alcohol	0.385	0.039%
alpha-Bisabolol	0.349	0.035%
Terpinolene	0.333	0.033%
alpha-Pinene	0.247	0.025%
alpha-Humulene	0.17	0.017%
Caryophyllene oxide	0.119	0.012%

Total Terpenes: 1.194%

Detailed Terpenes Analysis is on the following page

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

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling.

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Certificate of Analysis
Compliance Test

Client Information:

Fresh Farm Eliquid
151 Kalmus Dr
Unit L3
Costa Mesa, California 92626

Batch # 00004
Batch Date: 2024-01-15
Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF387

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-29

Initial Gross Weight: 274.500 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Terpenes
Specimen Weight: 500.340 mg

Tested
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	3.666	0.367	Camphors	0.006	<LOQ	
(R)-(+)-Limonene	0.002	2.533	0.253	cis-Nerolidol	0.002	<LOQ	
beta-Myrcene	0.002	1.547	0.155	Eucalyptol	0.002	<LOQ	
Linalool	0.002	0.824	0.082	Farnesene	0.002	<LOQ	
alpha-Phellandrene	0.002	0.753	0.075	Fenchone	0.002	<LOQ	
Isoborneol	0.002	0.618	0.062	Gamma-Terpinene	0.002	<LOQ	
beta-Pinene	0.002	0.385	0.039	Geraniol	0.002	<LOQ	
Fenchyl Alcohol	0.002	0.385	0.039	Geranyl acetate	0.002	<LOQ	
alpha-Bisabolol	0.002	0.349	0.035	Guaiol	0.002	<LOQ	
Terpinolene	0.002	0.333	0.033	Hexahydrothymol	0.002	<LOQ	
alpha-Pinene	0.002	0.247	0.025	Isopulegol	0.002	<LOQ	
alpha-Humulene	0.002	0.170	0.017	Nerol	0.002	<LOQ	
Caryophyllene oxide	0.002	0.119	0.012	Ocimene	0.00033	<LOQ	
(+)-Cedrol	0.002	<LOQ		Pulegone	0.002	<LOQ	
3-Carene	0.002	<LOQ		Sabinene	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Total Terpeneol	0.00126	<LOQ	
Borneol	0.004	<LOQ		trans-Nerolidol	0.002	<LOQ	
Camphene	0.002	<LOQ		Valencene	0.002	<LOQ	

Total Yeast and Mold
Specimen Weight: 507.400 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed

Pathogenic Microbiology SAE (MicroArray)
Specimen Weight: 1003.000 mg

Passed
SOP13.019 (Micro Array)

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

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Definitions are found on page 1

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Compliance Test

Client Information:

Fresh Farm Eliquid
151 Kalmus Dr
Unit L3
Costa Mesa, California 92626

Batch # 00004
Batch Date: 2024-01-15
Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF387

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-29

Initial Gross Weight: 274.500 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1



Heavy Metals

Specimen Weight: 245.300 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 203

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	.58	100	200	<LOQ



Mycotoxins

Specimen Weight: 587.400 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.550

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					



Residual Solvents - FL (CBD)

Specimen Weight: 307.200 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 500.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	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	323.239
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					

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Order Date: 2024-01-18
Sample # AAFF387

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-29

Initial Gross Weight: 274.500 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 587.400 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Chlorpyrifos	3.5000E-2	30	100	85.185	Permethrin	3.4300E-1	30	100	<LOQ
Chlorfentazine	1.1900E-1	30	200	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ					

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

Definitions are found on page 1

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Client Information:

Fresh Farm Eliquid
151 Kalmus Dr
Unit L3
Costa Mesa, California 92626

Batch # 00004
Batch Date: 2024-01-15
Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF385

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-26

Initial Gross Weight: 282.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1



Product Image

Potency Tested **Terpenes Tested** **Heavy Metals Passed** **Mycotoxins Passed** **Pesticides Passed**
Residual Solvents Passed **Pathogenic Microbiology Passed** **Microbiology (qPCR) Passed**

Potency 25 (LCUV)
Specimen Weight: 507.410 mg

Tested
SOP13.001 (LCUV)

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	50.000	3.20E-5	0.015	998.0156	99.8016
Exo-THC	50.000	2.30E-4	0.015	4.3110	0.4311
THCVA	50.000	4.70E-5	0.015	4.2680	0.4268
CBNA	50.000	9.50E-5	0.015	2.3130	0.2313
Delta-9 THC	50.000	1.30E-5	0.015	1.6565	0.1656
Delta-8 THC	50.000	2.60E-5	0.015	0.2279	0.0228
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ
CBCA	50.000	1.07E-4	0.015	<LOQ	<LOQ
CBD	50.000	5.40E-5	0.015	<LOQ	<LOQ
CBDA	50.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	50.000	6.50E-5	0.015	<LOQ	<LOQ
CBDVA	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBG	50.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	50.000	8.00E-5	0.015	<LOQ	<LOQ
CBL	50.000	3.50E-5	0.015	<LOQ	<LOQ
CBN	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBT	50.000	2.00E-4	0.015	<LOQ	<LOQ
Delta-8 THC-O Acetate	50.000	2.70E-5	0.025	<LOQ	<LOQ
Delta-8 THCV	50.000	4.00E-5	0.015	<LOQ	<LOQ
Delta-9 THC-O Acetate	50.000	7.70E-5	0.025	<LOQ	<LOQ
Delta-8-THCP *	50.000	3.75E-4	0.015	<LOQ	<LOQ
Delta-9-THCP *	50.000	1.17E-5	0.012	<LOQ	<LOQ
THCB *	50.000	1.80E-4	0.0163	<LOQ	<LOQ
THCH *	50.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	50.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	50.000			<LOQ	<LOQ
Total Active THC	50.000			876.916	87.692

Potency Summary

Total Active THC 87.692% 1,753.832 mg	Total Active CBD - None Detected
Total CBG - None Detected	Total CBN 0.203% 4.060 mg
Other Cannabinoids 0.397% <LOQ	Total Cannabinoids 88.292% 1,765.840 mg
Total THCA-A 99.802% 1996.04 mg	

Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	1.81	0.181%
(R)-(-)-Limonene	0.822	0.082%
beta-Myrcene	0.486	0.049%
alpha-Humulene	0.389	0.039%
alpha-Phellandrene	0.245	0.025%
Isoborneol	0.224	0.022%
Linalool	0.221	0.022%
alpha-Bisabolol	0.147	0.015%
Fenchyl Alcohol	0.142	0.014%

Total Terpenes: 0.449%

Detailed Terpenes Analysis is on the following page

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

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling.

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Batch Date: 2024-01-15
Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAF385

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-26

Initial Gross Weight: 282.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Terpenes
Specimen Weight: 507.410 mg

Tested
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	1.810	0.181	cis-Nerolidol	0.002	<LOQ	<LOQ
(R)-(+)-Limonene	0.002	0.822	0.082	Eucalyptol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	0.486	0.049	Farnesene	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	0.389	0.039	Fenchone	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	0.245	0.025	Gamma-Terpinene	0.002	<LOQ	<LOQ
Isoborneol	0.002	0.224	0.022	Geraniol	0.002	<LOQ	<LOQ
Linalool	0.002	0.221	0.022	Geranyl acetate	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	0.147	0.015	Guaiol	0.002	<LOQ	<LOQ
Fenchyl Alcohol	0.002	0.142	0.014	Hexahydrothymol	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Total Yeast and Mold
Specimen Weight: 489.100 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed

Pathogenic Microbiology SAE (MicroArray)
Specimen Weight: 1017.100 mg

Passed
SOP13.019 (Micro Array)

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

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Certificate of Analysis
Compliance Test

Client Information:

Fresh Farm Eliquid
151 Kalmus Dr
Unit L3
Costa Mesa, California 92626

Batch # 00004
Batch Date: 2024-01-15
Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF385

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-26

Initial Gross Weight: 282.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Heavy Metals
Specimen Weight: 249.100 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 200

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	.58	100	200	<LOQ

Mycotoxins
Specimen Weight: 588.300 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.550

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Residual Solvents - FL (CBD)
Specimen Weight: 304.200 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 500.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	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	426.712
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					

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

Definitions are found on page 1

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Initial Gross Weight: 282.200 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 588.300 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Chlorpyrifos	3.5000E-2	30	100	97.372	Permethrin	3.4300E-1	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ					
Flonicamid	5.1700E-1	30	100	<LOQ					

Aixia Sun
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Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF386

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-26

Initial Gross Weight: 274.400 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1



Product Image

Potency Tested
 Terpenes Tested
 Heavy Metals Passed
 Mycotoxins Passed
 Pesticides Passed
Residual Solvents Passed
 Pathogenic Microbiology Passed
 Microbiology (qPCR) Passed

Potency 25 (LCUV)
Specimen Weight: 504.550 mg

Tested
SOP13.001 (LCUV)

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCA-A	50.000	3.20E-5	0.015	997.5151	99.7515
Exo-THC	50.000	2.30E-4	0.015	4.6190	0.4619
THCVA	50.000	4.70E-5	0.015	4.4320	0.4432
CBNA	50.000	9.50E-5	0.015	2.7160	0.2716
Delta-9 THC	50.000	1.30E-5	0.015	1.9918	0.1992
Delta-8 THC	50.000	2.60E-5	0.015	0.3931	0.0393
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ
CBCA	50.000	1.07E-4	0.015	<LOQ	<LOQ
CBD	50.000	5.40E-5	0.015	<LOQ	<LOQ
CBDA	50.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	50.000	6.50E-5	0.015	<LOQ	<LOQ
CBDVA	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBG	50.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	50.000	8.00E-5	0.015	<LOQ	<LOQ
CBL	50.000	3.50E-5	0.015	<LOQ	<LOQ
CBN	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBT	50.000	2.00E-4	0.015	<LOQ	<LOQ
Delta-8 THC-O Acetate	50.000	2.70E-5	0.025	<LOQ	<LOQ
Delta-8 THCV	50.000	4.00E-5	0.015	<LOQ	<LOQ
Delta-9 THC-O Acetate	50.000	7.70E-5	0.025	<LOQ	<LOQ
Delta8-THCP *	50.000	3.75E-4	0.015	<LOQ	<LOQ
Delta9-THCP *	50.000	1.17E-5	0.012	<LOQ	<LOQ
THCB *	50.000	1.80E-4	0.0163	<LOQ	<LOQ
THCH *	50.000	3.50E-4	0.0163	<LOQ	<LOQ
THCV	50.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	50.000			<LOQ	<LOQ
Total Active THC	50.000			876.813	87.681

Potency Summary

Total Active THC 87.681% 1,753.625 mg	Total Active CBD - None Detected
Total CBG - None Detected	Total CBN 0.238% 4.760 mg
Other Cannabinoids 0.428% <LOQ	Total Cannabinoids 88.347% 1,766.940 mg
Total THCA-A 99.752% 1995.04 mg	

Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	7.777	0.778%
Gamma-Terpinene	1.018	0.102%
beta-Pinene	0.79	0.079%
Terpinolene	0.644	0.064%
alpha-Pinene	0.321	0.032%
alpha-Phellandrene	0.307	0.031%
Linalool	0.128	0.013%
Camphene	0.123	0.012%
Geranyl acetate	0.122	0.012%
Geraniol	0.092	0.009%

Total Terpenes: 1.132%

Detailed Terpenes Analysis is on the following page

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Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling.

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Extracted From: Hemp

Test Reg State: Florida

Order # FRE240118-040001
Order Date: 2024-01-18
Sample # AAFF386

Sampling Date: 2024-01-23
Lab Batch Date: 2024-01-23
Completion Date: 2024-01-26

Initial Gross Weight: 274.400 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Terpenes
Specimen Weight: 504.550 mg

Tested
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	7.777	0.778	Caryophyllene oxide	0.002	<LOQ	<LOQ
Gamma-Terpinene	0.002	1.018	0.102	cis-Nerolidol	0.002	<LOQ	<LOQ
beta-Pinene	0.002	0.790	0.079	Eucalyptol	0.002	<LOQ	<LOQ
Terpinolene	0.002	0.644	0.064	Farnesene	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	0.321	0.032	Fenchone	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	0.307	0.031	Fenchyl Alcohol	0.002	<LOQ	<LOQ
Linalool	0.002	0.128	0.013	Guaiol	0.002	<LOQ	<LOQ
Camphene	0.002	0.123	0.012	Hexahydrothymol	0.002	<LOQ	<LOQ
Geranyl acetate	0.002	0.122	0.012	Isoborneol	0.002	<LOQ	<LOQ
Geraniol	0.002	0.092	0.009	Isopulegol	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
alpha-Bisabolol	0.002	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
beta-Myrcene	0.002	<LOQ	<LOQ	trans-Caryophyllene	0.002	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Total Yeast and Mold
Specimen Weight: 585.600 mg

Passed
SOP13.017 (qPCR)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Remark
Total Yeast/Mold	100000	<LOQ	Passed

Pathogenic Microbiology SAE (MicroArray)
Specimen Weight: 1035.900 mg

Passed
SOP13.019 (Micro Array)

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

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Initial Gross Weight: 274.400 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Heavy Metals
Specimen Weight: 246.800 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 202

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	.58	100	200	<LOQ

Mycotoxins
Specimen Weight: 587.300 mg

Passed
SOP13.007 (LCMS)

Dilution Factor: 2.550

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Residual Solvents - FL (CBD)
Specimen Weight: 306.500 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 500.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	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	266.608
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					

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Sampling Date: 2024-01-23
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Completion Date: 2024-01-26

Initial Gross Weight: 274.400 g

Number of Units: 1
Net Weight per Unit: 2000.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 587.300 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.550

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	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	200	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<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	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Chlorpyrifos	3.5000E-2	30	100	94.140	Permethrin	3.4300E-1	30	100	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ					
Flonicamid	5.1700E-1	30	100	<LOQ					

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Definitions are found on page 1

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