



**Certificate of Analysis**  
Compliance Test

**Client Information:**

**Virgin Hemp Farms**  
PO Box 129  
Milton, Louisiana 70558

Batch # 0001  
Batch Date: 2023-12-01  
Extracted From: N/A

Test Reg State: Louisiana

Production Facility: VHF

Order # VIR240103-010001  
Order Date: 2024-01-03  
Sample # AAFE276  
Serving Number: 10.00000

Sampling Date: 2024-01-05  
Lab Batch Date: 2024-01-05  
Completion Date: 2024-01-10

Initial Gross Weight: 14.154 g  
Net Weight: 9.954 g

Number of Units: 1  
Net Weight per Package: 9954.000 mg  
Net Weight per Serving: 995.4 mg



Product Image



**Potency Tested**



**Heavy Metals Passed**



**Pesticides Passed**



**Moisture Tested**



**Pathogenic Passed**



Microbiology Petrifilm  
**Failed**

**Delta 8/Delta 10 Potency 13 - (LCUV)**

Specimen Weight: 200.990 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)		Result (%)
			SOP13.001	SOP13.052 (LCUV)	
CBDA	1.00E-5	0.0125	195.000	19.500	
CBD	5.40E-5	0.0125	8.980	0.898	
THCA-A	3.20E-5	0.0125	7.210	0.721	
CBGA	8.00E-5	0.0125	6.640	0.664	
CBG	2.48E-4	0.0125	1.190	0.119	
Delta-9 THC	1.30E-5	0.0125	1.140	0.114	
CBC	1.80E-5	0.0125	0.990	0.099	
CBDV	6.50E-5	0.0125	<LOQ	<LOQ	
CBN	1.40E-5	0.0125	<LOQ	<LOQ	
Delta-10 THC	3.00E-6	0.0125	<LOQ	<LOQ	
Delta-8 THC	2.60E-5	0.0125	<LOQ	<LOQ	
Delta6a10a-THC	8.47E-5	0.0125	<LOQ	<LOQ	
THCV	7.00E-6	0.0125	<LOQ	<LOQ	
Total Active CBD			203.980	20.398	
Total Active THC			8.350	0.835	

**Tested**

**Potency Summary**

Total Delta 8 per Serving None Detected	Total Delta 10 per Serving None Detected
Delta 9 THC per Serving 0.835% 8.3116 mg	Total Active CBD per Serving 20.398% 203.04169 mg
Total CBG per Serving 0.701% 6.9778 mg	Total CBN per Serving None Detected
Other Cannabinoids per Serving 0.099% 0.9854 mg	Total Cannabinoids per Serving 21.945% 218.4405 mg
Total Active CBD Per Package 20.398% 2030.4169 mg	Total Active THC per Serving 0.835% 8.3116 mg
Total Active THC Per Package 0.835% 83.1159 mg	Delta 9 THC per Package 0.835% 83.1159 mg

Sample was oven dried before potency testing.

*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 \* 0.877), Total Delta-9 THC = Delta-9 THC + THCA, Total Active THC = Total Delta-9 THC + Delta6a10a-THC + Delta-8 THC + Delta-10 THC + Delta-8 THC-O-Acetate + THC-O-Acetate + Delta-10 THC-O-Acetate, Total THC = THC + (THCA \* 0.877), 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 LA rule R.S., 40:4(A)(13), R.S. 3:1483, R.S. 40:604. Failed - Analyte/microbe is at the level that equal or above the action limit per LA rule R.S., 40:4(A)(13), R.S. 3:1483, R.S. 40:604 Sample not received via laboratory sampling.

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Net Weight per Serving: 995.4 mg

**Moisture**  
Net Weight: 9.954 g

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)
Moisture	15	11.020

**Tested**  
SOP13.015 (Moisture Meter)



**Microbiology TYM (Petrifilm/Plating) - LA**

Specimen Weight: 997.400 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Result (cfu/g)
Yeast/Mold	10000	22000.000

**Failed**  
SOP13.003 (Petrifilm)

**Pathogenic SE (qPCR)**  
Specimen Weight: 1027.900 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E.Coli	1	Absence in 1g	Salmonella	1	Absence in 1g

**Passed**  
SOP13.029 (qPCR)

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

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**Heavy Metals - LA**

Specimen Weight: 251.800 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution Factor: 198.570

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Arsenic (As)	.00483	0.1	10	<LOQ	Lead (Pb)	0.0058	0.1	10	<LOQ
Cadmium (Cd)	.00064	0.1	4.1	0.233	Mercury (Hg)	.01176	0.1	2	<LOQ

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**Pesticides - LA**

Specimen Weight: 615.400 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.440

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Abamectin	4.3500E-4	0.009	0.3	<LOQ	Hexythiazox	4.5000E-5	0.0096	2	<LOQ
Acephate	4.6700E-4	0.0096	5	<LOQ	Imazalil	6.3900E-4	0.0096	0	<LOQ
Acequinocyl	8.0100E-4	0.0096	4	<LOQ	Imidacloprid	1.5900E-4	0.0096	3	<LOQ
Acetamiprid	8.0000E-5	0.0096	5	<LOQ	Kresoxim Methyl	2.6800E-4	0.0096	1	<LOQ
Aldicarb	1.2400E-4	0.0096	0	<LOQ	Malathion	4.1000E-4	0.0096	5	<LOQ
Azoxystrobin	6.8300E-4	0.0096	40	<LOQ	Metaxyl	7.4900E-4	0.0096	15	<LOQ
Bifenazate	8.2000E-5	0.0096	5	<LOQ	Methiocarb	9.9000E-5	0.0096	0	<LOQ
Bifenthrin	1.2100E-4	0.0096	0.5	<LOQ	Methomyl	1.2100E-4	0.0096	0.1	<LOQ
Boscalid	1.5300E-4	0.0096	10	<LOQ	methy-Parathion	3.0650E-3	0.0096	0	<LOQ
Captan	8.9660E-3	0.048	5	<LOQ	Mevinphos	1.3700E-3	0.0096	0	<LOQ
Carbaryl	1.1800E-4	0.0096	0.5	<LOQ	Myclobutanil	5.7100E-4	0.0096	9	<LOQ
Carbofuran	1.7800E-4	0.0096	0	<LOQ	Naled	8.3000E-5	0.0096	0.5	<LOQ
Chlorantraniliprole	5.2000E-5	0.0096	40	<LOQ	Oxamyl	1.2300E-4	0.0096	0.2	<LOQ
Chlorfenapyr	3.1210E-3	0.0096	0.1	<LOQ	Paclobutrazol	1.2300E-4	0.0096	0	<LOQ
Chlorpyrifos	2.7100E-4	0.0096	0	<LOQ	Pentachloronitrobenzen(Quintozene)	5.1400E-3	0.0096	0.2	<LOQ
Clofentezine	1.1900E-4	0.0096	0.5	<LOQ	Permethrin	7.1800E-4	0.0096	20	<LOQ
Coumaphos	1.2900E-4	0.0096	0	<LOQ	Phosmet	3.0100E-4	0.0096	0.2	<LOQ
Cyfluthrin	7.7300E-3	0.048	1	<LOQ	Piperonylbutoxide	2.1700E-4	0.0096	8	<LOQ
Cypermethrin	8.8700E-4	0.0096	1	<LOQ	Prallethrin	1.3650E-3	0.0096	0.4	<LOQ
Daminozide	1.7970E-3	0.0096	0	<LOQ	Propiconazole	2.5900E-4	0.0096	20	<LOQ
Diazinon	1.3280E-3	0.0096	0.2	<LOQ	Propoxur	1.4700E-4	0.0096	0	<LOQ
Dichlorvos	4.6500E-4	0.0096	0	<LOQ	Pyrethrins	2.5600E-4	0.0014	1	<LOQ
Dimethoate	3.6600E-4	0.0096	0	<LOQ	Pyridaben	5.9000E-5	0.0096	3	<LOQ
Dimethomorph	2.7200E-4	0.0096	20	<LOQ	Spinetoram	3.4600E-4	0.0096	3	<LOQ
Ethoprophos	1.9200E-4	0.0096	0	<LOQ	Spinosad	2.8000E-5	0.00239	3	<LOQ
Etofenprox	1.1600E-4	0.0096	0	<LOQ	Spiromesifen	2.9100E-4	0.0096	12	<LOQ
Etoxazole	5.7000E-4	0.0096	1.5	<LOQ	Spirotetramat	1.4100E-4	0.0096	13	<LOQ
Fenhexamid	1.0110E-3	0.0096	10	<LOQ	Spiroxamine	1.1900E-4	0.0096	0	<LOQ
Fenoxycarb	1.6900E-4	0.0096	0	<LOQ	Tebuconazole	1.3400E-4	0.0096	2	<LOQ
Fenpyroximate	1.3900E-4	0.0096	2	<LOQ	Thiacloprid	3.9700E-4	0.0096	0	<LOQ
Fipronil	6.0500E-4	0.0096	0.1	<LOQ	Thiamethoxam	1.0400E-4	0.0096	4.5	<LOQ
Fonicamid	1.2800E-4	0.0096	2	<LOQ	Trifloxystrobin	8.8000E-5	0.0096	30	<LOQ
Fludioxonil	5.2100E-4	0.0096	30	<LOQ					

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