



## Certificate of Analysis

Compliance Test

**Client Information:**  
**FOUR WINDS FARM LLC**  
2312 ALPINE AVE NW  
HOMESTEAD, IA 52236

**Manufacturing Facility:**  
FOUR WINDS FARM LLC  
2312 ALPINE AVE NW  
HOMESTEAD, IA 52236  
**Production Date:** 2025-11-07

**Batch Data:**  
Batch # 25000401  
Batch Date: 2025-11-07  
**Extracted From:** cbg hemp flower

**Order Details:**  
Test Reg State: Florida

**Food Permits:**  
State: IA - #1989699

**Order #**  
FOU251110-010001  
**Order Date:** 2025-11-10  
**Sample #** AAHF165

**Sampling Date:** 2025-11-17  
**Lab Batch Date:** 2025-11-17  
**Completion Date:** 2025-11-21

**Initial Gross Weight:** 148.400 g  
**Net Weight:** 58.600 g

**Net Weight per Package:**  
58600.000 mg  
**Sampling Method:** MSP 7.3.1

**Net Weight per Serving:**  
58600 mg  
**Servings Per Package:** 1



**Potency Tested**

**Heavy Metals Passed**

**Mycotoxins Passed**

**Pesticides Passed**

**Residual Solvents Passed**

**Pathogenic Microbiology Passed**

**Microbiology (qPCR) Passed**

### Product Image

### Potency Summary

Delta 9 THC	<LOQ	Total Active CBD	<LOQ
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
Total CBG	3.72%	Total CBN	<LOQ
per Serving	2180 mg	per Serving	0.00 mg
per Package	2180 mg	per Package	0.00 mg
Total Cannabinoids	3.72%	Total Active THC	<LOQ
per Serving	2180 mg	per Serving	0.00 mg
per Package	2180 mg	per Package	0.00 mg

Aixa 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 \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV-A \* 0.87, CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta 8-THCP + Delta 9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (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 Client supplied the net weight of mg The results apply to the sample as received. 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 Client supplied the net weight of mg The results apply to the sample as received.

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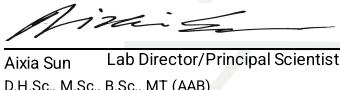
### Potency 11 (LCUV)

Specimen Weight: 500.600 mg

### Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
CBG	50.000	2.48E-4	0.015	37.2	3.72	2180	2180
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBD	50.000	5.40E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDA	50.000	1.00E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDV	50.000	6.50E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBGA	50.000	8.00E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBN	50.000	1.40E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC	50.000	2.60E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	50.000	1.30E-5	0.015	<LOQ	<LOQ	0.00	0.00
THCA-A	50.000	3.20E-5	0.015	<LOQ	<LOQ	0.00	0.00
THCV	50.000	7.00E-6	0.015	<LOQ	<LOQ	0.00	0.00
Total Active THC	50.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	50.000			<LOQ	<LOQ	0.00	0.00

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

Definitions are found on page 1

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58600 mg  
**Servings Per Package:**  
1

### PCR Total Yeast and Mold

Specimen Weight: 477.300 mg

Dilution Factor: 8.000

Analyte  
Total Yeast/Mold

LOQ  
1000

Action Level  
100000

Result  
<LOQ

**Passed**

SOP13.017 (qPCR)

### Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1009.100 mg

Dilution Factor: 1.000

Analyte  
Aspergillus flavus  
Aspergillus fumigatus  
Aspergillus niger  
Aspergillus terreus

Result  
(cfu/g)  
Absence in 1g  
Absence in 1g  
Absence in 1g  
Absence in 1g

Result  
(cfu/g)  
Absence in 1g  
Absence in 1g  
Absence in 1g

**Passed**

SOP13.019 (Micro Array)

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58600 mg  
**Servings Per Package:** 1

### H Heavy Metals

Specimen Weight: 246.000 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)	4.830	100	1500	<LOQ	Lead (Pb)	11.760	100	500	<LOQ
Cadmium (Cd)	0.640	100	500	<LOQ	Mercury (Hg)	0.580	100	3000	<LOQ

### Mycotoxins FL

Specimen Weight: 606.800 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.470

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	4.9	20	<LOQ	Aflatoxin G2	0.271	4.9	20	<LOQ
Aflatoxin B2	0.077	4.9	20	<LOQ	Ochratoxin A	0.754	9.8	20	<LOQ
Aflatoxin G1	0.304	4.9	20	<LOQ					

### Residual Solvents - FL (CBD)

Specimen Weight: 15.100 mg

**Passed**  
SOP13.039 (GCMS-HS)

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-Dichloroethene	0.009	1.6	8	<LOQ	Heptane	0.001	13.9	5000	<LOQ
1,2-Dichloroethane	0.000	0.4	2	<LOQ	Hexane	0.068	11.7	250	<LOQ
Acetone	0.015	20.8	750	<LOQ	Isopropyl alcohol	0.005	13.9	500	<LOQ
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	<LOQ
Benzene	0.000	0.2	1	<LOQ	Methylene chloride	0.003	24.3	125	<LOQ
Butanes	0.417	25	5000	<LOQ	Pentane	0.037	20.8	750	<LOQ
Chloroform	0.000	0.4	2	<LOQ	Propane	0.031	58.3	5000	<LOQ
Ethanol	0.002	27.8	5000	<LOQ	Toluene	0.001	29.2	150	<LOQ
Ethyl Acetate	0.001	11.1	400	<LOQ	Total Xylenes	0.000	29.2	150	<LOQ
Ethyl Ether	0.005	13.9	500	<LOQ	Trichloroethylene	0.001	4.9	25	<LOQ
Ethylene Oxide	0.004	1	5	<LOQ					

  
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### Pesticides

Specimen Weight: 606.800 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.470

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.399	23.3	300	<LOQ	Fludioxonil	0.360	24.8	3000	<LOQ
Acephate	0.141	24.8	3000	<LOQ	Hexythiazox	0.113	24.8	2000	<LOQ
Acequinoctyl	2.178	24.8	2000	<LOQ	Imazalil	0.258	24.8	100	<LOQ
Acetamiprid	0.140	24.8	3000	<LOQ	Imidacloprid	0.402	24.8	3000	<LOQ
Aldicarb	0.203	24.8	100	<LOQ	Kresoxim Methyl	0.182	24.8	1000	<LOQ
Azoxystrobin	0.188	24.8	3000	<LOQ	Malathion	0.223	24.8	2000	<LOQ
Bifenazate	0.086	24.8	3000	<LOQ	Metalaxyl	0.270	24.8	3000	<LOQ
Bifenthrin	0.100	24.8	500	<LOQ	Methiocarb	0.118	24.8	100	<LOQ
Boscalid	0.595	24.8	3000	<LOQ	Methomyl	0.064	24.8	100	<LOQ
Captan	1.850	323	3000	<LOQ	methyl-Parathion	0.820	24.8	100	<LOQ
Carbaryl	0.122	24.8	500	<LOQ	Mevinphos	0.093	24.8	100	<LOQ
Carbofuran	0.086	24.8	100	<LOQ	Myclobutanil	0.573	24.8	3000	<LOQ
Chlorantraniliprole	0.084	24.8	3000	<LOQ	Naled	0.069	24.8	500	<LOQ
Chlordane	1.410	24.8	100	<LOQ	Oxamyl	0.041	24.8	500	<LOQ
Chlорfenapyr	1.500	24.8	100	<LOQ	Pacllobutrazol	0.186	24.8	100	<LOQ
Chlormequat Chloride	0.205	24.8	3000	<LOQ	Pentachloronitrobenzene	0.220	24.8	200	<LOQ
Chlorpyrifos	0.109	24.8	100	<LOQ	Permethrin	0.624	24.8	1000	<LOQ
Clofentezine	0.212	24.8	500	<LOQ	Phosmet	0.127	24.8	200	<LOQ
Coumaphos	0.206	24.8	100	<LOQ	Piperonylbutoxide	0.149	24.8	3000	<LOQ
Cyfluthrin	0.980	24.8	1000	<LOQ	Prallethrin	1.476	24.8	400	<LOQ
Cypermethrin	0.985	24.8	1000	<LOQ	Propiconazole	0.294	24.8	1000	<LOQ
Daminozide	1.655	24.8	100	<LOQ	Propoxur	0.100	24.8	100	<LOQ
Diazinon	0.212	24.8	200	<LOQ	Pyrethrins	0.067	12.9	1000	<LOQ
Dichlorvos	1.130	24.8	100	<LOQ	Pyridaben	0.140	24.8	3000	<LOQ
Dimethoate	0.063	24.8	100	<LOQ	Spinetoram	0.424	24.8	3000	<LOQ
Dimethomorph	2.581	24.8	3000	<LOQ	Spinosad	0.028	24.8	3000	<LOQ
Ethoprophos	0.151	24.8	100	<LOQ	Spiromesifen	0.120	24.8	3000	<LOQ
Etofenprox	0.172	24.8	100	<LOQ	Spirotetramat	0.211	24.8	3000	<LOQ
Etoxazole	0.866	24.8	1500	<LOQ	Spiroxamine	0.533	24.8	100	<LOQ
Fenhexamid	0.588	24.8	3000	<LOQ	Tebuconazole	0.230	24.8	1000	<LOQ
Fenoxycarb	0.274	24.8	100	<LOQ	Thiacloprid	0.170	24.8	100	<LOQ
Fenpyroximate	0.198	24.8	2000	<LOQ	Thiamethoxam	179.000	24.8	1000	<LOQ
Fipronil	0.317	24.8	100	<LOQ	Trifloxystrobin	0.134	24.8	3000	<LOQ
Flonicamid	0.466	24.8	2000	<LOQ					

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