



## Certificate of Analysis

R&D

<b>Client Information:</b> <b>FOUR WINDS FARM LLC</b> 2312 ALPINE AVE NW HOMESTEAD, IA 52236	<b>Manufacturing Facility:</b> FOUR WINDS FARM LLC 2312 ALPINE AVE NW HOMESTEAD, IA 52236	<b>Batch Data:</b> Batch # 26000901 Batch Date: 2026-01-11 Extracted From: cbg hemp flower	<b>Order Details:</b> Test Reg State: Florida	<b>Food Permits:</b> State: IA - #1989699
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<b>Order #</b> FOU260210-010003 <b>Order Date:</b> 2026-02-10 <b>Sample #</b> AAHK246	<b>Sampling Date:</b> 2026-02-18 <b>Lab Batch Date:</b> 2026-02-18 <b>Completion Date:</b> 2026-02-23	<b>Initial Gross Weight:</b> 143.900 g	<b>Net Weight per Package:</b> 59000.000 mg	<b>Net Weight per Serving:</b> 59000 mg <b>Servings Per Package:</b> 1
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**Potency Tested**

**Heavy Metals Passed**

**Mycotoxins Passed**

**Pesticides Passed**

**Residual Solvents Passed**

**Pathogenic Microbiology Passed**

**Microbiology Petrifilm Passed**

### Potency Summary

<b>Delta 9 THC</b>	<b>&lt;LOQ</b>	<b>Total Active CBD</b>	<b>&lt;LOQ</b>
per Serving	0.00 mg	per Serving	0.00 mg
per Package	0.00 mg	per Package	0.00 mg
<b>Total CBG</b>	<b>2.02%</b>	<b>Total CBN</b>	<b>&lt;LOQ</b>
per Serving	1190 mg	per Serving	0.00 mg
per Package	1190 mg	per Package	0.00 mg
<b>Total Cannabinoids</b>	<b>2.02%</b>	<b>Total Active THC</b>	<b>&lt;LOQ</b>
per Serving	1190 mg	per Serving	0.00 mg
per Package	1190 mg	per Package	0.00 mg

*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 \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 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 = Delta8-THCP + Delta9-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. 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 ml The results apply to the sample as received. This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The scope of this analysis is limited to the parameters listed in this COA. Testing for food additives (e.g., preservatives, colorant, flavor enhancers) was not conducted. Therefore, no conclusions should be drawn regarding the presence or absence of such additives.





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2312 ALPINE AVE NW  
HOMESTEAD, IA 52236

**Batch Data:**

Batch # 26000901  
Batch Date: 2026-01-11  
Extracted From: cbg hemp  
flower

**Order Details:**

Test Reg State: Florida

**Food Permits:**

State: IA - #1989699

**Order #**

FOU260210-010003  
Order Date: 2026-02-10  
Sample # AAHK246

**Sampling Date:** 2026-02-18

Lab Batch Date: 2026-02-18  
Completion Date: 2026-02-23

**Initial Gross Weight:** 143.900  
g

**Net Weight per Package:**  
59000.000 mg

**Net Weight per Serving:**  
59000 mg  
**Servings Per Package:**  
1



**Potency 10**

Specimen Weight: 504.920 mg

Tested

SOP13.001 (LCUV)

Analyte	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
CBG	0.000248	0.015	20.2	2.02	1190	1190
CBC	0.000018	0.015	<LOQ	<LOQ	0.00	0.00
CBD	0.000054	0.015	<LOQ	<LOQ	0.00	0.00
CBDA	0.00001	0.015	<LOQ	<LOQ	0.00	0.00
CBDV	0.000065	0.015	<LOQ	<LOQ	0.00	0.00
CBGA	0.00008	0.015	<LOQ	<LOQ	0.00	0.00
CBN	0.000014	0.015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	0.000013	0.015	<LOQ	<LOQ	0.00	0.00
THCA-A	0.000032	0.015	<LOQ	<LOQ	0.00	0.00
THCV	0.000007	0.015	<LOQ	<LOQ	0.00	0.00
Total Active THC			<LOQ	<LOQ	0.00	0.00
Total Active CBD			<LOQ	<LOQ	0.00	0.00

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<b>Order #</b> FOU260210-010003 <b>Order Date:</b> 2026-02-10 <b>Sample #</b> AAHK246	<b>Sampling Date:</b> 2026-02-18 <b>Lab Batch Date:</b> 2026-02-18 <b>Completion Date:</b> 2026-02-23	<b>Initial Gross Weight:</b> 143.900 g	<b>Net Weight per Package:</b> 59000.000 mg	<b>Net Weight per Serving:</b> 59000 mg <b>Servings Per Package:</b> 1
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<b>Microbiology TYM (Petrifilm/Plating)</b> Specimen Weight: 993.200 mg	<b>Passed</b> SOP13.003 (Petrifilm)		
Dilution Factor: 1.000			
Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Yeast/Mold	100	10000	<100

<b>Pathogenic Microbiology SAE (MicroArray) Multi State</b> Specimen Weight: 1038.500 mg	<b>Passed</b> SOP13.019 (Micro Array)				
Dilution Factor: 1.000					
Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus flavus	1	Absence in 1g	E. Coli	1	Absence in 1g
Aspergillus fumigatus	1	Absence in 1g	Escherichia coli specific gene	1	Absence in 1g
Aspergillus niger	1	Absence in 1g	Salmonella	1	Absence in 1g
Aspergillus terreus	1	Absence in 1g	Shiga toxin-producing E. coli (STEC)	1	Absence in 1g

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**Food Permits:**

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**Order #**

FOU260210-010003  
Order Date: 2026-02-10  
Sample # AAHK246

**Sampling Date:** 2026-02-18

Lab Batch Date: 2026-02-18  
Completion Date: 2026-02-23

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g

**Net Weight per Package:**  
59000.000 mg

**Net Weight per Serving:**  
59000 mg  
**Servings Per Package:**  
1

**Heavy Metals**

Specimen Weight: 250.700 mg

**Passed**

SOP13.051 (ICP-3; icp-1)

Dilution Factor: 199

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: 584.400 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

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: 16.500 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-Dichloroethane	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	15.8
Acetonitrile	0.060	11.7	60	<LOQ	Methanol	0.001	6.9	250	44.5
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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FOU260210-010003  
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Sample # AAHK246

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**Initial Gross Weight:** 143.900

g

**Net Weight per Package:**

59000.000 mg

**Net Weight per Serving:**

59000 mg  
Servings Per Package:  
1

**Pesticides**

Specimen Weight: 584.400 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.570

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
Acequinocyl	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
Chlorfenapyr	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	0.179	24.8	1000	<LOQ
Fipronil	0.317	24.8	100	<LOQ	Trifloxystrobin	0.134	24.8	3000	<LOQ
Fonicamid	0.466	24.8	2000	<LOQ					

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