



Certificate of Analysis

Compliance Test

Client Information:

Flying Horse 624 Hampton park DR Birmingham, Alabama 35216	Batch # 20250325006 Batch Date: 2025-09-24 Extracted From: Hemp	Test Reg State: Georgia	Production Facility: USA HEMP SOLUTIONS	Food Permits: State: FL- #393546
Order # FLY250924-190001 Order Date: 2025-09-24 Sample # AAHC602	Sampling Date: 2025-09-26 Lab Batch Date: 2025-09-26 Completion Date: 2025-10-01	Initial Gross Weight: 18.430 g Net Weight: 3.000 g	Number of Units: 2 Net Weight per Unit: 3000.000 mg Sampling Method: MSP 7.3.1	



Product Image

Potency Tested	HHCP Tested	Pathogenic Microbiology Tested	Heavy Metals Passed	2-Butanedione Passed
Mycotoxins Passed	Pesticides Passed	Residual Solvents Passed	Microbiology Passed	Vitamin E Passed
Filtration Passed				

Potency (GA) LCUV + Potency 25 (LCUV) Tested SOP13.001 (LCUV)

Specimen Weight: 501.430 mg

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	50.000	2.60E-5	0.015	764.0300	76.4030
Delta-9-THCP	50.000	1.17E-5	0.012	17.1600	1.7160
CBN	50.000	1.40E-5	0.015	9.6600	0.9660
Delta-8 THCV	50.000	4.00E-5	0.015	4.1100	0.4110
CBT	50.000	2.00E-4	0.015	2.8500	0.2850
CBD	50.000	5.40E-5	0.015	0.8500	0.0850
CBDA	50.000	1.00E-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
Delta-10 THC	50.000	3.00E-6	0.015	<LOQ	<LOQ
Delta-9 THC	50.000	1.30E-5	0.015	<LOQ	<LOQ
Delta-9 THC-O Acetate	50.000	7.70E-5	0.025	<LOQ	<LOQ
Exo-THC	50.000	2.30E-4	0.015	<LOQ	<LOQ
THCA-A	50.000	3.20E-5	0.015	<LOQ	<LOQ
CBC	50.000	2.76E-5	0.075	<LOQ	<LOQ
CBCA	50.000	1.07E-4	0.015	<LOQ	<LOQ
CBDV	50.000	6.50E-5	0.015	<LOQ	<LOQ
CBDVA	50.000	1.40E-5	0.015	<LOQ	<LOQ
CBL	50.000	3.50E-5	0.015	<LOQ	<LOQ
CBNA	50.000	9.50E-5	0.015	<LOQ	<LOQ
Delta-8 THC-O Acetate	50.000	2.70E-5	0.025	<LOQ	<LOQ
Delta-8-THCP	50.000	3.75E-4	0.015	<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
THCVA	50.000	4.70E-5	0.015	<LOQ	<LOQ
Total Active CBD	50.000			0.850	0.085
Total Active THC	50.000			<LOQ	<LOQ

Potency Summary

1.392% Total HHC	41.757 mg	- Total Active THC	None Detected
0.085% Total Active CBD	2.55 mg	- Total CBG	None Detected
0.966% Total CBN	28.98 mg	81.258% Total Cannabinoids	2437.74 mg

Summary Results determined from two distinct Potency Tests - Potency (GA) LCUV + Potency 25 (LCUV)

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 + (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 = 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, Client supplied the net weight of mg 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.



Certificate of Analysis

Compliance Test

Client Information:

Flying Horse 624 Hampton park DR Birmingham, Alabama 35216	Batch # 20250325006 Batch Date: 2025-09-24 Extracted From: Hemp	Test Reg State: Georgia	Production Facility: USA HEMP SOLUTIONS	Food Permits: State: FL- #393546
Order # FLY250924-190001 Order Date: 2025-09-24 Sample # AAHC602	Sampling Date: 2025-09-26 Lab Batch Date: 2025-09-26 Completion Date: 2025-10-01	Initial Gross Weight: 18.430 g Net Weight: 3.000 g	Number of Units: 2 Net Weight per Unit: 3000.000 mg Sampling Method: MSP 7.3.1	

2,3-butanedione(Diacetyl) **Passed**
Specimen Weight: 15.400 mg SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

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

Pathogenic Microbiology AE Microarray - GA **Tested**
Specimen Weight: 1019.700 mg SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Passed	Escherichia coli specific gene	Passed

Microbiology AC TYM BTGN plating - (GA) **Passed**
Specimen Weight: 1008.400 mg SOP13.003 (Petrifilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Bile tolerant gram-negative bacteria	100	1000	<100	Total Yeast/Mold	1000	10000	<1000
Total Aerobic Count	1000	100000	<1000				

Filtration and Foreign Material - (GA) **Passed**
Net Weight: 3.000 g SOP13.020 (Electronic Balance)

Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.00	Weight %	1	0.00
Feces	0.5	0.00			

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

Definitions are found on page 1

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.





Certificate of Analysis

Compliance Test

Client Information:

Flying Horse 624 Hampton park DR Birmingham, Alabama 35216	Batch # 20250325006 Batch Date: 2025-09-24 Extracted From: Hemp	Test Reg State: Georgia	Production Facility: USA HEMP SOLUTIONS	Food Permits: State: FL- #393546
Order # FLY250924-190001 Order Date: 2025-09-24 Sample # AAHC602	Sampling Date: 2025-09-26 Lab Batch Date: 2025-09-26 Completion Date: 2025-10-01	Initial Gross Weight: 18.430 g Net Weight: 3.000 g	Number of Units: 2 Net Weight per Unit: 3000.000 mg Sampling Method: MSP 7.3.1	

E Vitamin E (Tocopheryl Acetate)
Specimen Weight: 604.400 mg

Passed
SOP13.007
(LCMS/GCMS)

Dilution Factor: 2.480

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	.705	500	500	<LOQ

H Heavy Metals - (GA) (Inhalation)
Specimen Weight: 250.100 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 199.920

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.013	100	200	<LOQ	Lead (Pb)	0.007	100	500	<LOQ
Cadmium (Cd)	0.003	100	200	<LOQ	Mercury (Hg)	0.016	100	200	<LOQ

I Residual Solvents (GA-4)
Specimen Weight: 15.400 mg

Passed
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.417	53.6	800000	<LOQ	Heptane	0.001	29.8	500000	<LOQ
Ethanol	0.002	59.5	5000000	<LOQ	Hexane	0.068	25	100000	<LOQ

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

Definitions are found on page 1

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.





Certificate of Analysis

Compliance Test

Client Information:

Flying Horse 624 Hampton park DR Birmingham, Alabama 35216	Batch # 20250325006 Batch Date: 2025-09-24 Extracted From: Hemp	Test Reg State: Georgia	Production Facility: USA HEMP SOLUTIONS	Food Permits: State: FL- #393546
Order # FLY250924-190001 Order Date: 2025-09-24 Sample # AAHC602	Sampling Date: 2025-09-26 Lab Batch Date: 2025-09-26 Completion Date: 2025-10-01	Initial Gross Weight: 18.430 g Net Weight: 3.000 g	Number of Units: 2 Net Weight per Unit: 3000.000 mg Sampling Method: MSP 7.3.1	

✱✱ Mycotoxins - (GA)

Specimen Weight: 604.400 mg

Dilution Factor: 2.480

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	1.9	20	<LOQ	Aflatoxin G2	2.7100E-1	1.9	20	<LOQ
Aflatoxin B2	7.7000E-2	1.9	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	1.9	20	<LOQ					

Passed

SOP13.007
(LCMS/GCMS)

HHCP

Specimen Weight: 501.430 mg

Dilution Factor: 50000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	10.8	1.08 9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	2.29	0.229 CBC	2.760000E-5	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	0.829	0.0829 Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
1(R)-H4-CBD	7.330000E-7	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	1.600000E-4	0.075	<LOQ	<LOQ
1(S)-H4-CBD	6.630000E-7	0.15	<LOQ	<LOQ H2-CBD	1.440000E-7	0.075	<LOQ	<LOQ
9(R)-HHCP	3.0900E-5	0.075	<LOQ	<LOQ Total HHC		0.075	13.9	1.3919

Tested

SOP13.050 (LCMS)

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

Definitions are found on page 1

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.





Certificate of Analysis

Compliance Test

Client Information:

Flying Horse	Batch # 20250325006	Test Reg State: Georgia	Production Facility: USA HEMP SOLUTIONS	Food Permits:
624 Hampton park DR	Batch Date: 2025-09-24			State: FL- #393546
Birmingham, Alabama 35216	Extracted From: Hemp			
Order # FLY250924-190001	Sampling Date: 2025-09-26	Initial Gross Weight: 18.430 g	Number of Units: 2	
Order Date: 2025-09-24	Lab Batch Date: 2025-09-26	Net Weight: 3.000 g	Net Weight per Unit: 3000.000 mg	
Sample # AAHC602	Completion Date: 2025-10-01		Sampling Method: MSP 7.3.1	

Pesticides - (GA)
Net Weight: 3.000 g

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.480

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	3.9900E-1	9	100	<LOQ	Fludioxonil	3.6000E-1	9.6	100	<LOQ
Acephate	1.4100E-1	9.6	100	<LOQ	Hexythiazox	1.1300E-1	9.6	100	<LOQ
Acequinocyl	2.1780E+0	9.6	100	<LOQ	Imazail	2.5800E-1	9.6	100	<LOQ
Acetamiprid	1.4000E-1	9.6	100	<LOQ	Imidacloprid	4.0200E-1	9.6	100	<LOQ
Aldicarb	2.0300E-1	9.6	100	<LOQ	Kresoxim Methyl	1.8200E-1	9.6	100	<LOQ
Azoxystrobin	1.8800E-1	9.6	100	<LOQ	Malathion	2.2300E-1	9.6	100	<LOQ
Bifenazate	8.6000E-2	9.6	100	<LOQ	Metalaxyl	2.7000E-1	9.6	100	<LOQ
Bifenthrin	1.0000E-1	9.6	100	<LOQ	Methiocarb	1.1800E-1	9.6	100	<LOQ
Boscalid	5.9500E-1	9.6	100	<LOQ	Methomyl	6.4000E-2	9.6	100	<LOQ
Carbaryl	1.2200E-1	9.6	100	<LOQ	Mevinphos	9.3000E-2	9.6	100	<LOQ
Carbofuran	8.6000E-2	9.6	100	<LOQ	Myclobutanil	5.7300E-1	9.6	100	<LOQ
Chlorantraniliprole	8.4000E-2	9.6	100	<LOQ	Oxamyl	4.1000E-2	9.6	100	<LOQ
Chlordane	1.9000E+0	9.6	100	<LOQ	Paclobutrazol	1.8600E-1	9.6	100	<LOQ
Chlorpyrifos	1.0900E-1	9.6	100	<LOQ	Permethrin	6.2400E-1	9.6	100	<LOQ
Coumaphos	2.0600E-1	9.6	100	<LOQ	Phosmet	1.2700E-1	9.6	100	<LOQ
Cyfluthrin	9.8000E-1	9.6	100	<LOQ	Piperonylbutoxide	1.4900E-1	9.6	100	<LOQ
Cypermethrin	9.8500E-1	9.6	100	<LOQ	Prallethrin	1.4760E+0	9.6	100	<LOQ
Daminozide	1.6550E+0	9.6	100	<LOQ	Propiconazole	2.9400E-1	9.6	100	<LOQ
Diazinon	2.1200E-1	9.6	100	<LOQ	Propoxur	1.0000E-1	9.6	100	<LOQ
Dichlorvos	1.1300E+0	9.6	100	<LOQ	Pyridaben	1.4000E-1	9.6	100	<LOQ
Dimethoate	6.3000E-2	9.6	100	<LOQ	Spinetoram	4.2400E-1	9.6	100	<LOQ
Dimethomorph	2.5810E+0	9.6	100	<LOQ	Spiromesifen	1.2000E-1	9.6	100	<LOQ
Ethoprophos	1.5100E-1	9.6	100	<LOQ	Spirotetramat	2.1100E-1	9.6	100	<LOQ
Etofenprox	1.7200E-1	9.6	100	<LOQ	Spiroxamine	5.3300E-1	9.6	100	<LOQ
Etoxazole	8.6600E-1	9.6	100	<LOQ	Tebuconazole	2.3000E-1	9.6	100	<LOQ
Fenhexamid	5.8800E-1	9.6	100	<LOQ	Thiacloprid	1.7000E-1	9.6	100	<LOQ
Fenoxycarb	2.7400E-1	9.6	100	<LOQ	Thiamethoxam	1.7900E-1	9.6	100	<LOQ
Fipronil	3.1700E-1	9.6	100	<LOQ	Trifloxystrobin	1.3400E-1	9.6	100	<LOQ
Flonicamid	4.6600E-1	9.6	100	<LOQ					

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

Definitions are found on page 1

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.

