

721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003

Flying Horse - 3.8mL Dual Disposable -
THCp Blend - Mist Haven / Twilight
Ember
Sample Matrix:
CBD/HEMP
Derivative Products
(Inhalation - Heated)

Certificate of Analysis
Compliance Test

Client Information: Flying Horse 624 Hampton park DR Birmingham, Alabama 35216	Batch # 20250417007 Batch Date: 2025-05-12 Extracted From: Hemp	Test Reg State: Georgia
Order # FLY250512-100001 Order Date: 2025-05-12 Sample # AAGS156	Sampling Date: 2025-05-14 Lab Batch Date: 2025-05-14 Completion Date: 2025-05-19	Initial Gross Weight: 23.243 g Number of Units: 1 Net Weight per Unit: 3800.000 mg



Product Image

Potency
Tested
HHCP
Tested

Potency 25 (LCUV) Specimen Weight: 508.600 mg						Tested SOP13.001 (LCUV)
Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	
Delta-8 THC	50.000	2.60E-5	0.015	831.0300	83.1030	
Delta9-THCP *	500.000	1.17E-5	0.012	22.2900	2.2290	
CBN	50.000	1.40E-5	0.015	7.8600	0.7860	
Delta-8 THCV	50.000	4.00E-5	0.015	6.7070	0.6707	
CBT	50.000	2.00E-4	0.015	4.2860	0.4286	
CBD	50.000	5.40E-5	0.015	4.2500	0.4250	
Delta8-THCP *	50.000	3.75E-4	0.015	0.4088	0.0409	
CBG	50.000	2.48E-4	0.015	0.3400	0.0340	
CBGA	50.000	8.00E-5	0.015	0.1700	0.0170	
CBC	50.000	1.80E-5	0.015	<LOQ	<LOQ	
CBCA	50.000	1.07E-4	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	
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-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	
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			4.250	0.425	
Total Active THC	50.000			<LOQ	<LOQ	

Potency Summary	
Total HHC 5.989% 227.582 mg	Total Active THC - None Detected
Total Active CBD 0.425% 16.150 mg	Total CBG 0.049% 1.862 mg
Total CBN 0.786% 29.868 mg	Total Cannabinoids 93.723% 3561.474 mg
Total DELTA-8-THC 83.103% 3157.914 mg	

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, 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. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.

Certificate of Analysis
Compliance Test

Client Information:

Flying Horse

624 Hampton park DR
Birmingham, Alabama 35216

Batch # 20250417007
Batch Date: 2025-05-12
Extracted From: Hemp

Test Reg State: Georgia

Order # FLY250512-100001
Order Date: 2025-05-12
Sample # AAGS156

Sampling Date: 2025-05-14
Lab Batch Date: 2025-05-14
Completion Date: 2025-05-19

Initial Gross Weight: 23.243 g

Number of Units: 1
Net Weight per Unit: 3800.000 mg

 **Microbiology Pathogenic AE qPCR - (GA)**
Specimen Weight: 1032.600 mg
Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Passed	STEC

Passed
SOP13.029 (qPCR)

Result (cfu/g)
Passed

 **Microbiology AC TYM BTGN plating - (GA)**
Specimen Weight: 1004.300 mg
Dilution Factor: 1.000

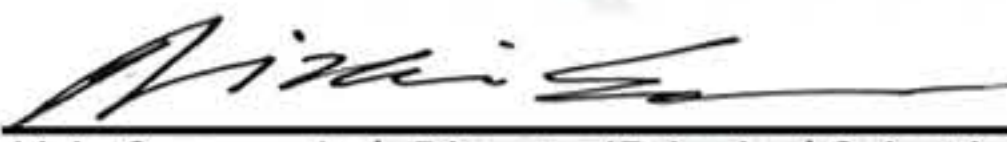
Analyte	LOQ (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Result (cfu/g)
Bile tolerant gram-negative bacteria	100	<100	Total Yeast/Mold	1000	<1000
Total Aerobic Count	1000	<1000			

Passed
SOP13.003 (Petrifilm)

 **Filth and Foreign Material - (GA)**
Specimen Weight: N/A Dilution Factor: 1.000

Analyte	Action Level (%)	Result (%)	Analyte	Action Level (%)	Result (%)
Covered Area	10	0.000	Weight %	1	0.000
Feces	0.5	0.000			

Passed
SOP13.020 (Electronic Balance)


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. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis

Compliance Test

Client Information:

Flying Horse

624 Hampton park DR
Birmingham, Alabama 35216

Batch # 20250417007
Batch Date: 2025-05-12
Extracted From: Hemp

Test Reg State: Georgia

Order # FLY250512-100001
Order Date: 2025-05-12
Sample # AAGS156

Sampling Date: 2025-05-14
Lab Batch Date: 2025-05-14
Completion Date: 2025-05-19

Initial Gross Weight: 23.243 g

Number of Units: 1
Net Weight per Unit: 3800.000 mg

Heavy Metals - (GA) (Inhalation)

Specimen Weight: 247.400 mg
Dilution Factor: 202.102

Passed

SOP13.048 (ICP-MS)

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

Residual Solvents (GA-4)

Specimen Weight: 16.000 mg
Dilution Factor: 1.000

Passed

SOP13.039 (GCMS-HS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Butane	0.4167	53.6	800000	<LOQ	Heptane	0.0013	29.8	500000	<LOQ
Ethanol	0.0021	59.5	5000000	<LOQ	Hexane	0.068	25	100000	<LOQ

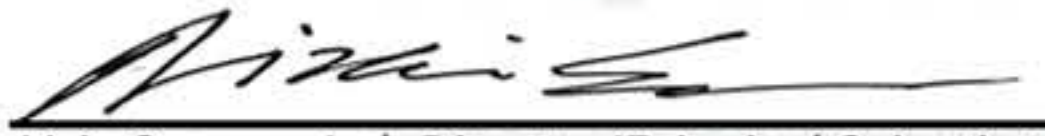
Mycotoxins - (GA)

Specimen Weight: 605.810 mg
Dilution Factor: 2.480

Passed

SOP13.007 (LCMS)

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					


Aixia 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. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis
Compliance Test

Client Information: Flying Horse 624 Hampton park DR Birmingham, Alabama 35216		Batch # 20250417007 Batch Date: 2025-05-12 Extracted From: Hemp	Test Reg State: Georgia
Order # FLY250512-100001 Order Date: 2025-05-12 Sample # AAGS156	Sampling Date: 2025-05-14 Lab Batch Date: 2025-05-14 Completion Date: 2025-05-19	Initial Gross Weight: 23.243 g	Number of Units: 1 Net Weight per Unit: 3800.000 mg

HHCP

Specimen Weight: 508.600 mg

SOP13.050 (LCMS)

Tested

Dilution Factor: 50000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.6600E-6	0.075	48.2000	4.82	CBC	2.760000E-5	0.075	<LOQ	<LOQ
(9S)-HHC	6.6000E-6	0.075	8.2300	0.823	Delta-8 THC methyl ether	2.480000E-4	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	7.7800E-6	0.075	3.4600	0.346	Delta-9 THC	2.8000E-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	59.8900	5.989
9(S)-HHCP	2.5500E-5	0.075	<LOQ	<LOQ					


Aixia 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. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.

Certificate of Analysis
Compliance Test

Client Information:

Flying Horse
624 Hampton park DR
Birmingham, Alabama 35216

Batch # 20250417007
Batch Date: 2025-05-12
Extracted From: Hemp

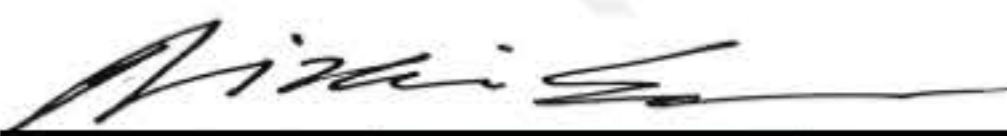
Test Reg State: Georgia

Order # FLY250512-100001 Sampling Date: 2025-05-14 Initial Gross Weight: 23.243 g Number of Units: 1
Order Date: 2025-05-12 Lab Batch Date: 2025-05-14 Net Weight per Unit: 3800.000 mg
Sample # AAGS156 Completion Date: 2025-05-19

 **Pesticides - (GA)**
Specimen Weight: 605.810 mg
Dilution Factor: 2.480

Passed
SOP13.007 (LCMS)

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	Imazalil	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. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.

