



**Certificate of Analysis**  
Compliance Test

Client Information:

**Flying Horse**  
624 Hampton park DR  
Birmingham, Alabama 35216

Batch # 2025174112  
Batch Date: 2025-07-01  
Extracted From: Hemp

Test Reg State: Georgia  
Food Permit #: 393546

Order # FLY250701-100001  
Order Date: 2025-07-01  
Sample # AAGW386

Sampling Date: 2025-07-03  
Lab Batch Date: 2025-07-03  
Orig. Completion Date: 2025-07-22

Initial Gross Weight: 17.500 g

Number of Units: 2  
Net Weight per Unit: 5000.000 mg  
Sampling Method: MSP 7.3.1

Statement of Amendment: Merging reports; Updated Potency



<b>Potency Tested</b>	<b>HHCP Tested</b>	<b>Pathogenic Microbiology Passed</b>	<b>Heavy Metals Passed</b>	<b>2-3-Butanedione Passed</b>
<b>Mycotoxins Passed</b>	<b>Pesticides Passed</b>	<b>Residual Solvents Passed</b>	<b>Microbiology Passed</b>	<b>Vitamin E Passed</b>
<b>Filtration Passed</b>				

Product Image

**Potency (LCUV) (GA) + Potency 25 (LCUV)**

Specimen Weight: 504.350 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	784.6900	78.4690
Delta9-THCP	5000.000	1.17E-5	0.012	92.2000	9.2200
Delta-8 THCv	50.000	4.00E-5	0.015	9.6360	0.9636
CBN	50.000	1.40E-5	0.015	7.9700	0.7970
Delta8-THCP	50.000	3.75E-4	0.015	5.3940	0.5394
CBT	50.000	2.00E-4	0.015	2.3770	0.2377
CBD	50.000	5.40E-5	0.015	1.6000	0.1600
THCVA	50.000	4.70E-5	0.015	1.0190	0.1019
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	2.80E-4	0.075	<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
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
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
Total Active CBD	50.000			1.600	0.16
Total Active THC	50.000			<LOQ	<LOQ

**Potency Summary**

<b>Total HHC</b> 3.408%	170.400 mg	<b>Total Active THC</b> None Detected
<b>Total Active CBD</b> 0.160%	8 mg	<b>Total CBG</b> None Detected
<b>Total CBN</b> 0.797%	39.85 mg	<b>Total Cannabinoids</b> 93.897% 4694.83 mg
<b>Total DELTA-8-THC</b> 78.469%	3923.45 mg	

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

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Aixia Sun Lab Director/Principal Scientist  
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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, (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. Revised report- see statement of amendment above.  
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**2,3-butanedione(Diacetyl)**

Specimen Weight: 15.500 mg

**Passed**

SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

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



**Microbiology Pathogenic AE qPCR - (GA)**

**Passed**

SOP13.029 (qPCR)

Specimen Weight: 1006.200 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Passed	STEC	1	Passed



**Microbiology AC TYM BTGN plating - (GA)**

Specimen Weight: 993.800 mg

**Passed**

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				



**Filth and Foreign Material - (GA)**

Specimen Weight: N/A Dilution Factor: 1.000

**Passed**

SOP13.020 (Electronic Balance)

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

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**E Vitamin E (Tocopheryl Acetate)**

Specimen Weight: 590.100 mg

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

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	0.705	500	500	<LOQ

**H Heavy Metals - (GA) (Inhalation)**

Specimen Weight: 250.800 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 199.362

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

**P Residual Solvents (GA-4)**

Specimen Weight: 15.500 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

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Sampling Method: MSP 7.3.1

**Mycotoxins - (GA)**  
Specimen Weight: 602.400 mg

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

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	1.9	20	<LOQ	Aflatoxin G2	0.271	1.9	20	<LOQ
Aflatoxin B2	0.077	1.9	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	1.9	20	<LOQ					

**HHCP**  
Specimen Weight: 504.350 mg

**Tested**  
SOP13.050 (LCMS)

Dilution Factor: 50000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	0.000	0.075	26.9	2.69 CBC	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	6.03	0.603 Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	1.15	0.115 Delta-9 THC	0.000	0.075	<LOQ	<LOQ
1(R)-H4-CBD	0.000	0.15	<LOQ	<LOQ Delta-9 THC methyl ether	0.000	0.075	<LOQ	<LOQ
1(S)-H4-CBD	0.000	0.15	<LOQ	<LOQ H2-CBD	0.000	0.075	<LOQ	<LOQ
9(R)-HHCP	0.000	0.075	<LOQ	<LOQ Total HHC		0.075	34.1	3.408
9(S)-HHCP	0.000	0.075	<LOQ	<LOQ				

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Sampling Method: MSP 7.3.1

**Pesticides - (GA)**  
Specimen Weight: 590.100 mg

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

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	0.399	9	100	<LOQ	Fludioxonil	0.360	9.6	100	<LOQ
Acephate	0.141	9.6	100	<LOQ	Hexythiazox	0.113	9.6	100	<LOQ
Acequinocyl	2.178	9.6	100	<LOQ	Imazail	0.258	9.6	100	<LOQ
Acetamiprid	0.140	9.6	100	<LOQ	Imidacloprid	0.402	9.6	100	<LOQ
Aldicarb	0.203	9.6	100	<LOQ	Kresoxim Methyl	0.182	9.6	100	<LOQ
Azoxystrobin	0.188	9.6	100	<LOQ	Malathion	0.223	9.6	100	<LOQ
Bifenazate	0.086	9.6	100	<LOQ	Metalaxyl	0.270	9.6	100	<LOQ
Bifenthrin	0.100	9.6	100	11.0	Methiocarb	0.118	9.6	100	<LOQ
Boscalid	0.595	9.6	100	<LOQ	Methomyl	0.064	9.6	100	<LOQ
Carbaryl	0.122	9.6	100	<LOQ	Mevinphos	0.093	9.6	100	<LOQ
Carbofuran	0.086	9.6	100	<LOQ	Myclobutanil	0.573	9.6	100	<LOQ
Chlorantraniliprole	0.084	9.6	100	<LOQ	Oxamyl	0.041	9.6	100	<LOQ
Chlordane	1.900	9.6	100	<LOQ	Paclobutrazol	0.186	9.6	100	<LOQ
Chlorpyrifos	0.109	9.6	100	<LOQ	Permethrin	0.624	9.6	100	11.1
Coumaphos	0.206	9.6	100	<LOQ	Phosmet	0.127	9.6	100	<LOQ
Cyfluthrin	0.980	9.6	100	<LOQ	Piperonylbutoxide	0.149	9.6	100	<LOQ
Cypermethrin	0.985	9.6	100	<LOQ	Prallethrin	1.476	9.6	100	<LOQ
Daminozide	1.655	9.6	100	<LOQ	Propiconazole	0.294	9.6	100	<LOQ
Diazinon	0.212	9.6	100	<LOQ	Propoxur	0.100	9.6	100	<LOQ
Dichlorvos	1.130	9.6	100	<LOQ	Pyridaben	0.140	9.6	100	<LOQ
Dimethoate	0.063	9.6	100	<LOQ	Spinetoram	0.424	9.6	100	<LOQ
Dimethomorph	2.581	9.6	100	<LOQ	Spiromesifen	0.120	9.6	100	<LOQ
Ethoprophos	0.151	9.6	100	<LOQ	Spirotetramat	0.211	9.6	100	<LOQ
Etofenprox	0.172	9.6	100	<LOQ	Spiroxamine	0.533	9.6	100	<LOQ
Etoxazole	0.866	9.6	100	<LOQ	Tebuconazole	0.230	9.6	100	<LOQ
Fenhexamid	0.588	9.6	100	<LOQ	Thiacloprid	0.170	9.6	100	<LOQ
Fenoxycarb	0.274	9.6	100	<LOQ	Thiamethoxam	0.179	9.6	100	<LOQ
Fipronil	0.317	9.6	100	<LOQ	Trifloxystrobin	0.134	9.6	100	<LOQ
Fonicamid	0.466	9.6	100	<LOQ					

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