



## Certificate of Analysis

Compliance Test

<b>Client Information:</b> <b>Flying Horse</b> 624 Hampton park DR Birmingham, Alabama 35216	<b>Manufacturing Facility:</b> USA HEMP SOLUTIONS 2630 W 81ST HIALEAH, FL 33016	<b>Batch Data:</b> Batch # 20250661099 Batch Date: 2025-06-20 Extracted From: Hemp	<b>Order Details:</b> Test Reg State: Florida Food Permit #: 393546
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<b>Order #</b> FLY250620-190001 <b>Order Date:</b> 2025-06-20 <b>Sample #</b> AAGV519	<b>Sampling Date:</b> 2025-06-23 <b>Lab Batch Date:</b> 2025-06-23 <b>Orig. Completion Date:</b> 2025-08-07	<b>Initial Gross Weight:</b> 24.000 g	<b>Net Weight per Package:</b> 9000.000 mg <b>Sampling Method:</b> MSP 7.3.1	<b>Net Weight per Serving:</b> 9000 mg <b>Servings Per Package:</b> 1
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Statement of Amendment: Report format; Updated Pesticides; Merging reports; Report format; Merging Reports

Product Image

<b>Potency Tested</b>	<b>HHCP Tested</b>	<b>Pathogenic Microbiology Tested</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>Residual Solvents Passed</b>	<b>Pathogenic Passed</b>
<b>Microbiology Tested</b>	<b>Vitamin E Passed</b>	<b>Filtration Passed</b>		

### Potency Summary

<b>Total HHC</b>	<b>0.218%</b>	<b>Delta 9 THC</b>	<b>&lt;LOQ</b>
per Serving	19.6 mg	per Serving	0.00 mg
per Package	19.6 mg	per Package	0.00 mg
<b>Total Active CBD</b>	<b>0.444%</b>	<b>Total CBG</b>	<b>0.0490%</b>
per Serving	40.0 mg	per Serving	4.41 mg
per Package	40.0 mg	per Package	4.41 mg
<b>Total CBN</b>	<b>0.824%</b>	<b>Total Cannabinoids</b>	<b>92.8%</b>
per Serving	74.2 mg	per Serving	8350 mg
per Package	74.2 mg	per Package	8350 mg
<b>Total Active THC</b>	<b>&lt;LOQ</b>	<b>Total DELTA-8-THC</b>	<b>85.2%</b>
per Serving	0.00 mg	per Serving	7670 mg
per Package	0.00 mg	per Package	7670 mg

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

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 = 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. 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. Revised report- see statement of amendment above.

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Compliance Test

**Client Information:**  
Flying Horse

624 Hampton park DR  
Birmingham, Alabama  
35216

**Manufacturing Facility:**  
USA HEMP SOLUTIONS  
2630 W 81ST  
HIALEAH, FL 33016

**Batch Data:**  
Batch # 20250661099  
Batch Date: 2025-06-20  
Extracted From: Hemp

**Order Details:**  
Test Reg State: Florida  
Food Permit #: 393546

**Order #**  
FLY250620-190001  
**Order Date:** 2025-06-20  
**Sample #** AAGV519

**Sampling Date:** 2025-06-23  
**Lab Batch Date:** 2025-06-23  
**Orig. Completion Date:** 2025-08-07

**Initial Gross Weight:** 24.000 g

**Net Weight per Package:**  
9000.000 mg  
**Sampling Method:**  
MSP 7.3.1

**Net Weight per Serving:**  
9000 mg  
**Servings Per Package:**  
1

**Potency (LCUV) (GA) + Potency 25 (LCUV)**  
Specimen Weight: 503.900 mg

**Tested** SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta-8 THC	50.000	2.600000E-5	0.015	852	85.2	7670	7670
Delta9-THCP	50.000	1.170000E-5	0.012	47.5	4.75	428	428
CBN	50.000	1.400000E-5	0.015	8.24	0.824	74.2	74.2
Delta-8 THCv	50.000	4.000000E-5	0.015	7.10	0.710	63.9	63.9
CBD	50.000	5.400000E-5	0.015	4.44	0.444	40.0	40.0
CBT	50.000	2.000000E-4	0.015	4.02	0.402	36.2	36.2
Delta8-THCP	50.000	3.750000E-4	0.015	1.30	0.130	11.7	11.7
CBG	50.000	2.480000E-4	0.015	0.490	0.0490	4.41	4.41
Delta-10 THC	50.000	3.000000E-6	0.015	0.340	0.0340	3.06	3.06
CBDA	50.000	1.000000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBGA	50.000	8.000000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	50.000	2.8000E-4	0.075	<LOQ	<LOQ	0.00	0.00
Delta-9 THC-O Acetate	50.000	7.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
Exo-THC	50.000	2.300000E-4	0.015	<LOQ	<LOQ	0.00	0.00
CBC	50.000	2.760000E-5	0.075	<LOQ	<LOQ	0.00	0.00
CBCA	50.000	1.070000E-4	0.015	<LOQ	<LOQ	0.00	0.00
CBDV	50.000	6.500000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDVA	50.000	1.400000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBL	50.000	3.500000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBNA	50.000	9.500000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC-O Acetate	50.000	2.700000E-5	0.025	<LOQ	<LOQ	0.00	0.00
THCA-A	50.000	3.200000E-5	0.015	<LOQ	<LOQ	0.00	0.00
THCB	50.000	1.800000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCH	50.000	3.500000E-4	0.0163	<LOQ	<LOQ	0.00	0.00
THCV	50.000	7.000000E-6	0.015	<LOQ	<LOQ	0.00	0.00
THCVA	50.000	4.700000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Total Active THC	50.000			<LOQ	<LOQ	0.00	0.00
Total Active CBD	50.000			4.44	0.444	40.0	40.0

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Aixia Sun Lab Director/Principal Scientist  
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<b>2,3-butanedione(Diacetyl)</b> Specimen Weight: 15.900 mg	<b>Passed</b> SOP13.039 (GCMS-HS)		
Dilution Factor: 1.000			
Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
2,3-Butanedione	0.024	0.024	<LOQ

<b>Microbiology Pathogenic AE qPCR - (GA)</b> Specimen Weight: 1025.100 mg	<b>Tested</b> SOP13.029 (qPCR)		
Dilution Factor: 1.000			
Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Passed	STEC	Passed

<b>Pathogenic SE (qPCR)</b> Specimen Weight: 1037.400 mg	<b>Passed</b> SOP13.029 (qPCR)				
Dilution Factor: 1.000					
Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E.Coli	1	Absence in 1g	Salmonella	1	Absence in 1g

<b>Microbiology AC TYM BTGN plating - (GA)</b> Specimen Weight: 998.300 mg	<b>Tested</b> 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				

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<b>Filth and Foreign Material - (GA)</b>		<b>Passed</b>	
Specimen Weight: <b>N/A</b> Dilution Factor: 1.000		SOP13.020 (Electronic Balance)	
Analyte	Action Level (%)	Result (%)	Analyte
Covered Area	10	0.00	Weight %
Feces	0.5	0.00	
			Action Level (%)
			1
			Result (%)
			0.00

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<b>E Vitamin E (Tocopheryl Acetate)</b> Specimen Weight: 593.800 mg	<b>Passed</b> SOP13.007 (LCMS/GCMS)			
Dilution Factor: 2.530				
Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Tocopheryl Acetate (Vitamin E Acetate)	0.705	500	500	<LOQ

<b>H Heavy Metals - (GA) (Inhalation)</b> Specimen Weight: 246.300 mg	<b>Passed</b> SOP13.048 (ICP-MS)								
Dilution Factor: 203.004									
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

<b>Residual Solvents (GA-4)</b> Specimen Weight: 15.900 mg	<b>Passed</b> 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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**Mycotoxins - (GA)** **Passed**  
Specimen Weight: 593.800 mg SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.530

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** **Tested**  
Specimen Weight: 503.900 mg 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	<LOQ	<LOQ	CBC	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	<LOQ	<LOQ	Delta-8 THC methyl ether	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	2.18	0.218	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	2.18	0.218
9(S)-HHCP	0.000	0.075	<LOQ	<LOQ					

**Residual Solvents - FL (CBD)** **Passed**  
Specimen Weight: 15.000 mg 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	0.16	8	<LOQ	Heptane	0.001	1.39	5000	<LOQ
1,2-Dichloroethane	0.000	0.04	2	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.005	1.39	500	<LOQ
Acetonitrile	0.060	1.17	410	<LOQ	Methanol	0.001	0.69	3000	<LOQ
Benzene	0.000	0.02	2	<LOQ	Methylene chloride	0.003	2.43	600	<LOQ
Butanes	0.417	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.000	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.002	2.78	5000	<LOQ	Toluene	0.001	2.92	890	<LOQ
Ethyl Acetate	0.001	1.11	5000	<LOQ	Total Xylenes	0.000	2.92	2170	<LOQ
Ethyl Ether	0.005	1.39	5000	<LOQ	Trichloroethylene	0.001	0.49	80	<LOQ
Ethylene Oxide	0.004	0.1	5	<LOQ					

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**Net Weight per Package:**

9000.000 mg  
Sampling Method:  
MSP 7.3.1

**Net Weight per Serving:**

9000 mg  
Servings Per Package:  
1

**Pesticides**

Specimen Weight: 585.500 mg

**Passed**

SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.560

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result
Abamectin	0.288	28.23	100	<LOQ	Fludioxonil	1.740	48	100	<LOQ
Acephate	0.023	30	100	<LOQ	Hexythiazox	0.049	30	100	<LOQ
Acequinocyl	9.564	48	100	<LOQ	Imazalil	0.248	30	100	<LOQ
Acetamiprid	0.052	30	100	<LOQ	Imidacloprid	0.094	30	400	<LOQ
Aldicarb	0.026	30	100	<LOQ	Kresoxim Methyl	0.042	30	100	<LOQ
Azoxystrobin	0.081	10	100	<LOQ	Malathion	0.082	30	200	<LOQ
Bifenazate	1.415	30	100	<LOQ	Metaxalyl	0.081	10	100	<LOQ
Bifenthrin	0.043	30	200	<LOQ	Methiocarb	0.032	30	100	<LOQ
Boscalid	0.055	10	100	<LOQ	Methomyl	0.022	30	100	<LOQ
Captan	6.120	30	700	<LOQ	methyl-Parathion	1.710	10	100	<LOQ
Carbaryl	0.022	10	500	<LOQ	Mevinphos	2.150	10	100	<LOQ
Carbofuran	0.034	10	100	<LOQ	MGK-264	0.585	10	100	<LOQ
Chlorantraniliprole	0.033	10	1000	<LOQ	Myclobutanil	1.029	30	100	<LOQ
Chlordane	10.000	10	100	<LOQ	Naled	0.095	30	250	<LOQ
Chlorfenapyr	0.034	30	100	<LOQ	Oxamyl	0.025	30	500	<LOQ
Chlormequat Chloride	0.108	10	1000	<LOQ	Pacllobutrazol	0.065	30	100	<LOQ
Chlorpyrifos	0.035	30	100	<LOQ	Pentachloronitrobenzene	1.320	10	150	<LOQ
Clofentezine	0.119	30	200	<LOQ	Permethrin	0.343	30	100	<LOQ
Coumaphos	3.770	48	100	<LOQ	Phosmet	0.082	30	100	<LOQ
Cyfluthrin	3.110	30	500	<LOQ	Piperonylbutoxide	0.029	30	3000	<LOQ
Cypermethrin	1.449	30	500	<LOQ	Prallethrin	0.798	30	100	<LOQ
Daminozide	0.885	30	100	<LOQ	Propiconazole	0.070	30	100	<LOQ
Diazinon	0.044	30	100	<LOQ	Propoxur	0.046	30	100	<LOQ
Dichlorvos	2.182	30	100	<LOQ	Pyrethrins	23.593	30	500	<LOQ
Dimethoate	0.021	30	100	<LOQ	Pyridaben	0.032	30	200	<LOQ
Dimethomorph	5.830	48	200	<LOQ	Spinetoram	0.080	10	200	<LOQ
Ethoprophos	0.360	30	100	<LOQ	Spinosad	0.088	30	100	<LOQ
Etofenprox	0.116	30	100	<LOQ	Spiromesifen	0.261	30	100	<LOQ
Etoxazole	0.095	30	100	<LOQ	Spirotetramat	0.089	30	100	<LOQ
Fenhexamid	0.510	10	100	<LOQ	Spiroxamine	0.131	30	100	<LOQ
Fenoxycarb	0.107	30	100	<LOQ	Tebuconazole	0.067	30	100	<LOQ
Fenpyroximate	0.138	30	100	<LOQ	Thiacloprid	0.064	30	100	<LOQ
Fipronil	0.107	30	100	<LOQ	Thiamethoxam	0.050	30	500	<LOQ
Flonicamid	0.517	30	100	<LOQ	Trifloxystrobin	0.037	30	100	<LOQ

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**Definitions are found on page 1**

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