



## Certificate of Analysis

Compliance Test

### Client Information:

**Leafy8**  
7414 University Blvd.  
Suite # 104  
Winter Park, Florida  
32792

### Batch Data:

Batch # Pending- HHC/THCP  
Blend -Please update  
Batch Date: 2025-07-22  
Extracted From: Hemp

### Order Details:

Test Reg State: Florida  
Food Permit #: 412329

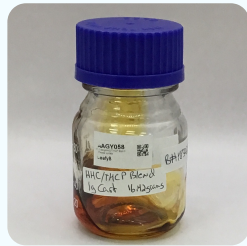
Order #  
LEA250722-010001  
Order Date: 2025-07-22  
Sample # AAGY058

Sampling Date: 2025-07-24  
Lab Batch Date: 2025-07-24  
Completion Date: 2025-07-30

Initial Gross Weight: 181.100  
g  
Net Weight: 1.000 g

Net Weight per Package:  
1000.000 mg  
Sampling Method:  
MSP 7.3.1

Net Weight per Serving:  
1000 mg  
Servings Per Package:  
1



Product Image



**Potency**  
Tested



**HHC Metals**  
Passed



**HHCP**  
Tested



**Terpenes**  
Tested



**2-Butanedione**  
Passed



**Mycotoxins**  
Passed



**Pesticides**  
Passed



**Residual Solvents**  
Passed



**Pathogenic**  
Passed



**Microbiology (qPCR)**  
Passed



**Vitamin E**  
Passed



### Potency Summary

<b>Total HHC</b>	<b>46.6%</b>	<b>Delta 9 THC</b>	<b>&lt;LOQ</b>
per Serving	466 mg	per Serving	0.00 mg
per Package	466 mg	per Package	0.00 mg
<b>Total Active CBD</b>	<b>&lt;LOQ</b>	<b>Total CBG</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 CBN</b>	<b>1.69%</b>	<b>Total Cannabinoids</b>	<b>54.3%</b>
per Serving	16.9 mg	per Serving	543 mg
per Package	16.9 mg	per Package	543 mg
<b>Total Active THC</b>	<b>&lt;LOQ</b>		
per Serving	0.00 mg		
per Package	0.00 mg		



### Terpenes Summary

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	1.654	0.165%
trans-Caryophyllene	1.085	0.109%
alpha-Humulene	0.456	0.046%
beta-Myrcene	0.383	0.038%
Linalool	0.335	0.034%
beta-Pinene	0.111	0.011%
Fenchyl Alcohol	0.095	0.01%
alpha-Pinene	0.088	0.009%



**Total Terpenes: 0.422%**

Detailed Terpenes Analysis is on the following page

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, (ug/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (ug/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. 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. 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. The current and valid permit number for the facility issued by a human health or food safety regulatory entity with authority over the facility is stated above, and that the facility meets the human health or food safety sanitization requirements of the regulatory entity as documented by the regulatory entity and evidenced by the valid permit number



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Food Permit #: 412329

**Order #**

LEA250722-010001  
Order Date: 2025-07-22  
Sample # AAGY058

**Sampling Date:** 2025-07-24

Lab Batch Date: 2025-07-24  
Completion Date: 2025-07-30

**Initial Gross Weight:** 181.100

g  
Net Weight: 1.000 g

**Net Weight per Package:**

1000.000 mg  
Sampling Method:  
MSP 7.3.1

**Net Weight per Serving:**

1000 mg  
Servings Per Package:  
1



**Potency 25 (LCUV)**

Specimen Weight: 505.470 mg

**Tested**

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)	Per Serving (mg)	Per Package (mg)
Delta9-THCP	500.000	1.170000E-5	0.012	59.8	5.98	59.8	59.8
CBN	50.000	1.400000E-5	0.015	16.9	1.69	16.9	16.9
Delta8-THCP	50.000	3.750000E-4	0.015	0.706	0.0706	0.706	0.706
CBC	50.000	1.800000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBCA	50.000	1.070000E-4	0.015	<LOQ	<LOQ	0.00	0.00
CBD	50.000	5.400000E-5	0.015	<LOQ	<LOQ	0.00	0.00
CBDa	50.000	1.000000E-5	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
CBG	50.000	2.480000E-4	0.015	<LOQ	<LOQ	0.00	0.00
CBGA	50.000	8.000000E-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
CBT	50.000	2.000000E-4	0.015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC	50.000	2.600000E-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
Delta-8 THCV	50.000	4.000000E-5	0.015	<LOQ	<LOQ	0.00	0.00
Delta-9 THC	50.000	1.300000E-5	0.015	<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
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			<LOQ	<LOQ	0.00	0.00

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

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Sample # AAGY058

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Net Weight: 1.000 g

Net Weight per Package:  
1000.000 mg  
Sampling Method:  
MSP 7.3.1

Net Weight per Serving:  
1000 mg  
Servings Per Package:  
1

### Terpenes

Specimen Weight: 505.470 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	1.65	0.165	Eucalyptol	0.002	<LOQ	
trans-Caryophyllene	0.002	1.09	0.109	Farnesene	0.002	<LOQ	
alpha-Humulene	0.002	0.456	0.046	Fenchone	0.002	<LOQ	
beta-Myrcene	0.002	0.383	0.038	Gamma-Terpinene	0.002	<LOQ	
Linalool	0.002	0.335	0.034	Geraniol	0.002	<LOQ	
beta-Pinene	0.002	0.111	0.011	Geranyl acetate	0.002	<LOQ	
Fenchyl Alcohol	0.002	0.0950	0.010	Guaiol	0.002	<LOQ	
alpha-Pinene	0.002	0.0880	0.009	Hexahydrothymol	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Isoborneol	0.002	<LOQ	
3-Carene	0.002	<LOQ		Isopulegol	0.002	<LOQ	
alpha-Bisabolol	0.002	<LOQ		Nerol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Ocimene	0.00033	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Pulegone	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Sabinene	0.002	<LOQ	
Borneol	0.004	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Camphene	0.002	<LOQ		Terpinolene	0.002	<LOQ	
Camphors	0.006	<LOQ		Total Terpeneol	0.00126	<LOQ	
Caryophyllene oxide	0.002	<LOQ		trans-Nerolidol	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ		Valencene	0.002	<LOQ	

### Tested

SOP13.045 (GC-MS/GC (Liquid Injection))

### 2,3-butanedione(Diacetyl)

Specimen Weight: 15.600 mg

Dilution Factor: 1.000

**Passed**  
SOP13.039 (GCMS-  
HS)

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

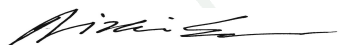
### PCR Total Yeast and Mold

Specimen Weight: 482.900 mg

Dilution Factor: 8.000

**Passed**  
SOP13.017 (qPCR)

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	<LOQ

  
Aixa Sun

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

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Sample # AAGY058

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Completion Date: 2025-07-30

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g  
Net Weight: 1.000 g

#### Net Weight per Package:

1000.000 mg  
Sampling Method:  
MSP 7.3.1

#### Net Weight per Serving:

1000 mg  
Servings Per Package:  
1



#### Pathogenic SAE (qPCR)

Specimen Weight: 1037.000 mg

Dilution Factor: 1.000

**Passed**  
SOP13.029 (qPCR)

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Aixa Sun

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



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**THCP Vape**  
Sample Matrix:  
HEMP  
Extract  
Inhalation



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1000.000 mg  
Sampling Method:  
MSP 7.3.1

### Net Weight per Serving:

1000 mg  
Servings Per Package:  
1



### Vitamin E (Tocopheryl Acetate)

Specimen Weight: 603.400 mg

**Passed**

SOP13.007  
(LCMS/GCMS)

Dilution Factor: 2.490

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



### Mycotoxins

Specimen Weight: 603.400 mg

**Passed**

SOP13.007  
(LCMS/GCMS)

Dilution Factor: 2.490

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.304	6	20	<LOQ	Aflatoxin G2	0.271	6	20	<LOQ
Aflatoxin B2	0.077	6	20	<LOQ	Ochratoxin A	0.754	3.8	20	<LOQ
Aflatoxin G1	0.304	6	20	<LOQ					



### HHC Metals

Specimen Weight: 249.500 mg

**Passed**

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

Dilution Factor: 200.401

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	0.019	100	200	<LOQ	Nickel (Ni)	0.150	250	500	<LOQ
Cadmium (Cd)	0.004	100	200	<LOQ	Palladium (Pd)	0.007	50	100	<LOQ
Lead (Pb)	0.010	100	500	<LOQ	Platinum (Pt)	0.013	50	100	<LOQ
Mercury (Hg)	0.044	100	200	<LOQ	Zinc (Zn)	0.410	1000	na	<LOQ

*Aixia Sun*

Aixia Sun Lab Director/Principal Scientist  
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Sampling Method:  
MSP 7.3.1

### Net Weight per Serving:

1000 mg  
Servings Per Package:  
1

### HHCP

Specimen Weight: 505.470 mg

Dilution Factor: 50000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%) Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	0.000	0.075	255	25.5 9(S)-HHCP	0.000	0.075	<LOQ	<LOQ
(9S)-HHC	0.000	0.075	211	21.1 CBC	0.000	0.075	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	0.000	0.075	<LOQ	<LOQ Delta-8 THC methyl ether	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	466	46.6

### Tested

SOP13.050 (LCMS)



### Residual Solvents - FL (CBD)

Specimen Weight: 15.600 mg

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	26.4	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					

### Passed

SOP13.039 (GCMS-HS)

Aixa Sun

Lab Director/Principal Scientist

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### Net Weight per Package:

1000.000 mg  
Sampling Method:  
MSP 7.3.1

### Net Weight per Serving:

1000 mg  
Servings Per Package:  
1



### Pesticides

Specimen Weight: 603.400 mg

Dilution Factor: 2.490

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
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	Paclobutrazol	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

**Passed**

SOP13.007 (LCMS/GCMS)

*Aixia Sun*

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### Definitions are found on page 1

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