

## Certificate of Analysis

Compliance Test

Batch # D9PL001  
Batch Date: 2021-12-21  
Extracted From: HEMP

Test Reg State: Florida

Order # TOP211221-030001  
Order Date: 2021-12-21  
Sample # AACH387

Sampling Date: 2021-12-26  
Lab Batch Date: 2021-12-26  
Completion Date: 2021-12-29

Initial Gross Weight: 12.411 g  
Net Weight: 8.940 g

Number of Units: 1  
Net Weight per Unit: 8940.000 mg



Potency Tested

Product Image



### Potency - 11

Specimen Weight: 1548.500 mg

Tested  
(HPLC/LCMS)



### Potency Summary

<b>Total THC</b> 0.154%	13.768mg	<b>Total CBD</b> None Detected	
<b>Total CBG</b> None Detected		<b>Total CBN</b>	0.179mg
<b>Other Cannabinoids</b> 0.064%	5.722mg	<b>Total Cannabinoids</b>	19.757mg

#### Pieces For Panel: 2

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	1000.000	0.000013	0.001	1.540	0.154
Delta-8 THC	1000.000	0.000026	0.001	0.610	0.061
THCV	1000.000	0.000007	0.001	0.030	0.003
CBN	1000.000	0.000014	0.001	0.020	0.002
CBGA	1000.000	0.000008	0.001	0.010	0.001
CBC	1000.000	0.000018	0.001		<LOQ
CBD	1000.000	0.000054	0.001		<LOQ
CBG	1000.000	0.000248	0.001		<LOQ
CBDV	1000.000	0.000065	0.001		<LOQ
CBDA	1000.000	0.000001	0.001		<LOQ
THCA-A	1000.000	0.000032	0.001		<LOQ

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# Certificate of Analysis

R&D

Batch # 004 Batch Date: 2021-05-20 Extracted From: Hemp	Test Reg State: Florida
Order # H2P210520-010032 Order Date: 2021-05-20 Sample # AABJ625	Sampling Date: 2021-05-21 Lab Batch Date: 2021-05-21 Completion Date: 2021-06-02
Initial Gross Weight: 25.107 g	



## Heavy Metals

Passed  
(ICP-MS)

Specimen Weight: 248.360 mg

Dilution Factor: 2.000

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	100	1500	<LOQ	Cadmium (Cd)	100	500	<LOQ
Lead (Pb)	100	500	<LOQ	Mercury (Hg)	100	3000	<LOQ



## 2,3-butanedione(Diacetyl)

Passed  
(GCMS)

Specimen Weight: 9.300 mg

Dilution Factor: 1.000

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



## Mycotoxins

Passed  
(LCMS)

Specimen Weight: 167.700 mg

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin B2	6	20	<LOQ
Aflatoxin G1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ
Ochratoxin A	12	20	<LOQ				

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Batch # 004  
Batch Date: 2021-05-20  
Extracted From: Hemp

Test Reg State: Florida

Order # H2P210520-010032  
Order Date: 2021-05-20  
Sample # AABJ625

Sampling Date: 2021-05-21  
Lab Batch Date: 2021-05-21  
Completion Date: 2021-06-02

Initial Gross Weight: 25.107 g



## Pesticides FL V4

Specimen Weight: 167.700 mg

**Passed**  
(LCMS/GCMS)

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Acephate	30	3000	<LOQ
Acequinocyl	48	2000	<LOQ	Acetamiprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Azoxystrobin	10	3000	<LOQ
Bifenazate	30	3000	<LOQ	Bifenthrin	30	500	<LOQ
Boscalid	10	3000	<LOQ	Captan	30	3000	<LOQ
Carbaryl	10	500	<LOQ	Carbofuran	10	100	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Chlordane	10	100	<LOQ
Chlorfenapyr	30	100	<LOQ	Chlormequat Chloride	10	3000	<LOQ
Chlorpyrifos	30	100	<LOQ	Clofentezine	30	500	<LOQ
Coumaphos	48	100	<LOQ	Cyfluthrin	30	1000	<LOQ
Cypermethrin	30	1000	<LOQ	Daminozide	30	100	<LOQ
Diazinon	30	200	<LOQ	Dichlorvos	30	100	<LOQ
Dimethoate	30	100	<LOQ	Dimethomorph	48	3000	<LOQ
Ethoprophos	30	100	<LOQ	Etofenprox	30	100	<LOQ
Etoxazole	30	1500	<LOQ	Fenhexamid	10	3000	<LOQ
Fenoxycarb	30	100	<LOQ	Fenpyroximate	30	2000	<LOQ
Fipronil	30	100	<LOQ	Fonicamid	30	2000	<LOQ
Fludioxonil	48	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Imazalil	30	100	<LOQ	Imidacloprid	30	3000	<LOQ
Kresoxim Methyl	30	1000	<LOQ	Malathion	30	2000	<LOQ
Metaxyl	10	3000	<LOQ	Methiocarb	30	100	<LOQ
Methomyl	30	100	<LOQ	methyl-Parathion	10	100	<LOQ
Mevinphos	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Naled	30	500	<LOQ	Oxamyl	30	500	<LOQ
Paclobutrazol	30	100	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Permethrin	30	1000	<LOQ	Phosmet	30	200	<LOQ
Piperonylbutoxide	30	3000	<LOQ	Prallethrin	30	400	<LOQ
Propiconazole	30	1000	<LOQ	Propoxur	30	100	<LOQ
Pyrethrins	30	1000	<LOQ	Pyridaben	30	3000	<LOQ
Spinetoram	10	3000	<LOQ	Spinosad	30	3000	<LOQ
Spiromesifen	30	3000	<LOQ	Spirotetramat	30	3000	<LOQ
Sproxamine	30	100	<LOQ	Tebuconazole	30	1000	<LOQ
Thiacloprid	30	100	<LOQ	Thiamethoxam	30	1000	<LOQ
Trifloxystrobin	30	3000	<LOQ				

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R&D

<b>Batch #</b> 004	<b>Test Reg State:</b> Florida
<b>Batch Date:</b> 2021-05-20	
<b>Extracted From:</b> Hemp	
<b>Order #</b> H2P210520-010032	<b>Initial Gross Weight:</b> 25.107 g
<b>Order Date:</b> 2021-05-20	<b>Sampling Date:</b> 2021-05-21
<b>Sample #</b> AABJ625	<b>Lab Batch Date:</b> 2021-05-21
	<b>Completion Date:</b> 2021-06-02



## Residual Solvents - FL (CBD)

**Passed**  
(GCMS)

Specimen Weight: 9.300 mg

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	1,2-Dichloroethane	0.04	5	<LOQ
Acetone	2.08	5000	<LOQ	Acetonitrile	1.17	410	<LOQ
Benzene	0.02	2	<LOQ	Butanes	2.5	2000	<LOQ
Chloroform	0.04	60	<LOQ	Ethanol	2.78	5000	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Ethyl Ether	1.39	5000	<LOQ
Ethylene Oxide	0.1	5	<LOQ	Heptane	1.39	5000	<LOQ
Hexane	1.17	290	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Methanol	0.69	3000	<LOQ	Methylene chloride	2.43	600	<LOQ
Pentane	2.08	5000	<LOQ	Propane	5.83	2100	<LOQ
Toluene	2.92	890	<LOQ	Total Xylenes	2.92	2170	<LOQ
Trichloroethylene	0.49	80	<LOQ				

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Sampling Date: 2021-05-21 Lab Batch Date: 2021-05-21 Completion Date: 2021-06-02	



## Pathogenic Microbiology SAE (MicroArray)

**Passed**  
(Micro Array)

Specimen Weight: 1038.800 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus fumigatus	Absence in 1g
Aspergillus niger	Absence in 1g	Aspergillus terreus	Absence in 1g
Salmonella	Absence in 1g	STEC E. Coli	Absence in 1g



## Listeria Monocytogenes

**Passed**  
(qPCR)

Specimen Weight: 984.750 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

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	Initial Gross Weight: 25.107 g

## **E** Vitamin E (Tocopheryl Acetate)

**Passed**  
(LC-MS)

Specimen Weight: **N/A**

Analyte	LOQ (ppb)	Result (ppb)
Vitamin E Acetate	10	<LOQ

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