

Certificate of Analysis

Compliance Test

Batch # D9TC001
Batch Date: 2021-12-21
Extracted From: HEMP

Test Reg State: Florida

Order # TOP211221-030001
Order Date: 2021-12-21
Sample # AACH386

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

Initial Gross Weight: 12.309 g
Net Weight: 8.813 g

Number of Units: 1
Net Weight per Unit: 8813.000 mg



Potency
Tested

Product Image



Potency - 11

Specimen Weight: 1520.200 mg

Tested
(HPLC/LCMS)



Potency Summary

Total THC 0.168%	14.806mg	Total CBD None Detected
Total CBG None Detected		Total CBN None Detected
Other Cannabinoids 0.066%	5.817mg	Total Cannabinoids 20.711mg

Pieces For Panel: 2

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
Delta-9 THC	1000.000	0.000013	0.001	1.680	0.168
Delta-8 THC	1000.000	0.000026	0.001	0.630	0.063
THCV	1000.000	0.000007	0.001	0.030	0.003
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	
CBN	1000.000	0.000014	0.001	<LOQ	
CBG	1000.000	0.000248	0.001	<LOQ	
CBDV	1000.000	0.000065	0.001	<LOQ	
CBDA	1000.000	0.00001	0.001	<LOQ	
THCA-A	1000.000	0.000032	0.001	<LOQ	

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Lab Director/Principal Scientist



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Certificate of Analysis

R&D

Batch # 004 Test Reg State: Florida
Batch Date: 2021-05-20
Extracted From: Hemp

Order # H2P210520-010032 Sampling Date: 2021-05-21 Initial Gross Weight: 25.107 g
Order Date: 2021-05-20 Lab Batch Date: 2021-05-21
Sample # AABJ625 Completion Date: 2021-06-02



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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R&D

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

Order # H2P210520-010032 Sampling Date: 2021-05-21 Initial Gross Weight: 25.107 g
Order Date: 2021-05-20 Lab Batch Date: 2021-05-21
Sample # AABJ625 Completion Date: 2021-06-02



Pesticides FL V4

Passed
(LCMS/GCMS)

Specimen Weight: 167.700 mg

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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Batch Date: 2021-05-20	
Extracted From: Hemp	
Order # H2P210520-010032	Initial Gross Weight: 25.107 g
Order Date: 2021-05-20	Sampling Date: 2021-05-21
Sample # AABJ625	Lab Batch Date: 2021-05-21
	Completion Date: 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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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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