

Order #: UPL201123-050051      Order Date: 2020-11-23      Collection Date: 2020-11-24      Report Date: 2020-12-01

Batch #: 106A  
Sample #: AAAT592  
Specimen Type: CBD/HEMP Edibles (Ingestion)  
Extracted From: Hemp  
Description: 3000mg Full spectrum Tincture

Initial Gross Weight: 90.914 g  
Specimen Weight: 172.26 mg  
Net Weight per Unit: 30000.000 mg  
Density: 0.9732 g/ml  
Method: SOP-3



Potency Tested	Terpenes Tested	Heavy Metals Passed
Mycotoxins Passed	Pesticides Passed	Residual Solvents Passed
Listeria Monocytogenes Passed	Pathogenic Passed	



The photos on this report are of a sample collected by the lab and may vary from the final packaging.

<b>Total CBD</b> 8.563%      2,500.053mg	<b>Total THC</b> 0.019%      5.547mg	<b>Total CBG</b> 0.023%      6.715mg
<b>Total CBN</b> 0.066%      19.269mg	<b>Other Cannabinoids</b> 0.042%      12.262mg	<b>Total Cannabinoids</b> 8.713%      2,543.847mg

### Potency - 11 (Tested)

(HPLC/LCMS)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	<LOQ	0.001		CBD	83.335	8.563	0.001	CBDA	<LOQ	0.001	
CBDV	0.409	0.042	0.001	CBG	0.224	0.023	0.001	CBGA	<LOQ	0.001	
CBN	0.642	0.066	0.001	Delta-8 THC	<LOQ	0.001		Delta-9 THC	0.185	0.019	0.001
THCA-A	<LOQ	0.001		THCV	<LOQ	0.001		<b>Total CBD</b>	83.335	8.563	0.001
<b>Total THC</b>	0.185	0.019	0.001								

\*Total CBD = CBD + (CBD-A \* 0.877), \*Total THC = THCA-A \* 0.877 + Delta 9 THC, \*CBG Total = (CBGA \* 0.877) + CBG, \*CBN Total = (CBNA \* 0.877) + CBN, \*Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A (mg/ml) = Milligrams per Milliliter, , LOQ = Limit of Quantitation, , LOD = Limit of Detection , \*Measurement of Uncertainty = +/- 5%

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## Terpenes - FL (Tested)

## (GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ		0.02	(R)-(+)-Limonene	<LOQ		0.02	3-Carene	<LOQ		0.02
Alpha-Bisabolol	<LOQ		0.02	alpha-Cedrene	<LOQ		0.02	alpha-Humulene	<LOQ		0.02
alpha-Phellandrene	<LOQ		0.02	Alpha-Pinene	<LOQ		0.02	Alpha-Terpinene	<LOQ		0.02
Borneol	<LOQ		0.04	Beta-Myrcene	<LOQ		0.02	Beta-Pinene	<LOQ		0.02
Caryophyllene oxide	<LOQ		0.02	Camphene	<LOQ		0.02	Camphors	<LOQ		0.04
Fenchyl Alcohol	<LOQ		0.02	cis-Nerolidol	<LOQ		0.02	Eucalyptol	<LOQ		0.02
Guaiol	<LOQ		0.02	Farnesene	<LOQ		0.02	Fenchone	<LOQ		0.02
Isopulegol	<LOQ		0.02	Gamma-Terpinene	<LOQ		0.02	Geraniol	<LOQ		0.02
Ocimene	<LOQ		0.014	Hexahydrothymol	<LOQ		0.02	Geranyl acetate	<LOQ		0.02
Sabinene Hydrate	<LOQ		0.02	Linalool	<LOQ		0.02	Isoborneol	<LOQ		0.02
trans-beta-Ocimene	<LOQ		0.006	Pulegone	<LOQ		0.02	Nerol	<LOQ		0.02
				Terpineol	<LOQ		0.02	Sabinene	<LOQ		0.02
				Trans-Caryophyllene	<LOQ		0.02	Terpinolene	<LOQ		0.02
								trans-Nerolidol	<LOQ		0.02
								Valencene	<LOQ		0.02

(mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation

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## Heavy Metals (Passed)

(ICP-MS)

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

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

## Mycotoxins (Passed)

(LCMS/API/GCMS)

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

(ppb) = Parts per Billion, (ppb) = (µg/kg), , LOQ = Limit of Quantitation

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## Pesticides FL V4 (Non-Inhalable) (Passed)

(LCMS/API/GCMS)

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

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### Residual Solvents (CBD) (Passed)

(GC/GCMS)

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

(ppm) = Parts per Million, (ppm) = (µg/g), , LOQ = Limit of Quantitation

### Listeria Monocytogenes (Passed)

(qPCR)

Analyte	Result
Listeria Monocytogenes	Absence in 1g

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### Pathogenic SAE (qPCR) (Passed)

(qPCR)

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

(cfu/g) = Colony Forming Unit per Gram

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