

# Certificate of Analysis

Order #: LAU201006-010016      Order Date: 2020-10-06      Collection Date: 2020-10-07      Report Date: 2020-10-15

Batch #: LCLC11312-FSO  
Sample #: AAAQ539  
Specimen Type: CBD/HEMP Derivative Products (Inhalation - Heated)  
Extracted From: Industrial Hemp  
Description: 55-60% CBD with minors

Initial Gross Weight: 27.784 g  
Specimen Weight: 228.9 mg  
Method: SOP-3



Potency <b>Tested</b>	Terpenes <b>Tested</b>	Heavy Metals <b>Passed</b>
Mycotoxins <b>Passed</b>	Pesticides <b>Passed</b>	Residual Solvents <b>Passed</b>
Listeria Monocytogenes <b>Passed</b>	Pathogenic <b>Passed</b>	



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

<b>Total CBD</b> 63.512%	<b>Total THC</b> 0.234%	<b>Total CBG</b> 0.643%
<b>Total CBN</b> 0.878%	<b>Other Cannabinoids</b> 3.093%	<b>Total Cannabinoids</b> 68.359%

**Potency - 17 (Tested) (HPLC)**

Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)	Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	19.770	1.977	0.001	CBCA	<LOQ	0.001		CBD	620.200	62.020	0.001
CBDA	17.010	1.701	0.001	CBDV	<LOQ	0.001		CBDVA	<LOQ	0.001	
CBG	6.425	0.643	0.001	CBGA	<LOQ	0.001		CBL	3.425	0.343	0.001
CBN	7.101	0.710	0.001	CBNA	1.910	0.191	0.001	CBT	11.160	1.116	0.001
Delta-8 THC	<LOQ	0.001		Delta-9 THC	2.339	0.234	0.001	THCA-A	<LOQ	0.001	
THCV	<LOQ	0.001		THCVA	<LOQ	0.001		<b>Total CBD</b>	635.118	63.512	0.001
<b>Total THC</b>	2.339	0.234	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 + THCVA, \*Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCVA (mg/g) = Milligram per Gram, , LOQ = Limit of Quantitation, , LOD = Limit of Detection

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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	1.160	0.116	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 (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	100	<LOQ	28.23	Acephate	100	<LOQ	30	Acequinocyl	100	<LOQ	48
Acetamiprid	100	<LOQ	30	Aldicarb	100	<LOQ	30	Azoxystrobin	100	<LOQ	10
Bifentazate	100	<LOQ	30	Bifenthrin	100	<LOQ	30	Boscalid	100	<LOQ	10
Captan	700	<LOQ	30	Carbaryl	500	<LOQ	10	Carbofuran	100	<LOQ	10
Chlorantraniliprole	1000	<LOQ	10	Chlordane	100	<LOQ	10	Chlorfenapyr	100	<LOQ	30
Chloromequat Chloride	1000	<LOQ	10	Chlorpyrifos	100	<LOQ	30	Clofentezine	200	<LOQ	30
Cypermethrin	500	<LOQ	30	Coumaphos	100	<LOQ	48	Cyfluthrin	500	<LOQ	30
Dichlorvos	100	<LOQ	30	Daminozide	100	<LOQ	30	Diazinon	100	<LOQ	30
Ethoprophos	100	<LOQ	30	Dimethoate	100	<LOQ	30	Dimethomorph	200	<LOQ	48
Fenhexamid	100	<LOQ	10	Etofenprox	100	<LOQ	30	Etoxazole	100	<LOQ	30
Fipronil	100	<LOQ	30	Fenoxycarb	100	<LOQ	30	Fenpyroximate	100	<LOQ	30
Hexythiazox	100	<LOQ	30	Fonicamid	100	<LOQ	30	Fludioxonil	100	<LOQ	48
Kresoxim Methyl	100	<LOQ	30	Imazalil	100	<LOQ	30	Imidacloprid	400	<LOQ	30
Methiocarb	100	<LOQ	30	Malathion	100	<LOQ	30	Metalaxyl	100	<LOQ	10
Mevinphos	100	<LOQ	10	Methomyl	100	<LOQ	30	methyl-Parathion	100	<LOQ	10
Oxamyl	500	<LOQ	30	Myclobutanil	100	<LOQ	30	Naled	250	<LOQ	30
Permethrin	100	<LOQ	30	Paclobutrazol	100	<LOQ	30	Pentachloronitrobenzene	150	<LOQ	10
Prallethrin	100	<LOQ	30	Phosmet	100	<LOQ	30	Piperonylbutoxide	3000	<LOQ	30
Pyrethrins	500	<LOQ	30	Propiconazole	100	<LOQ	30	Propoxur	100	<LOQ	30
Spinosad	100	<LOQ	30	Pyridaben	200	<LOQ	30	Spinetoram	200	<LOQ	10
Spiroxamine	100	<LOQ	30	Spiromesifen	100	<LOQ	30	Spirotetramat	100	<LOQ	30
Thiamethoxam	500	<LOQ	30	Tebuconazole	100	<LOQ	30	Thiacloprid	100	<LOQ	30
				Trifloxystrobin	100	<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	ND	0.16	1,2-dichloroethane	5	ND	0.04	Acetone	5000	ND	2.08
Benzene	2	ND	0.02	Butanes	2000	ND	2.5	Acetonitrile	410	ND	1.17
Ethanol	5000	ND	2.78	Ethyl Acetate	5000	ND	1.11	Chloroform	60	ND	0.04
Ethylene Oxide	5	ND	0.1	Heptane	5000	ND	1.39	Ethyl Ether	5000	ND	1.39
Isopropyl alcohol	500	ND	1.39	Methanol	3000	ND	0.69	Hexane	290	ND	1.17
Pentane	5000	ND	2.08	Propane	2100	ND	5.83	Methylene chloride	600	ND	2.43
Total Xylenes	2170	ND	2.92	Trichloroethylene	80	ND	0.49	Toluene	890	ND	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 SE (qPCR) (Passed)

(qPCR)

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
E.Coli	Absence	Salmonella	Absence

(cfu/g) = Colony Forming Unit per Gram

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