

Certificate of Analysis

Order #: TEN201028-020046

Order Date: 2020-10-28

Collection Date: 2020-11-02

Report Date: 2020-11-10

Batch #: 14-RSN-XX
Sample #: AAAR885
Specimen Type: CBD/HEMP Derivative Products (Ingestion)
Extracted From: Cannabis sativa L.
Description: NDT Distillate

Initial Gross Weight: 4.964 g
Specimen Weight: 100.8 mg
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.

Total CBD
92.986%

Total THC
Not Detected

Total CBG
Not Detected

Total CBN
Not Detected

Other Cannabinoids
Not Detected

Total Cannabinoids
92.986%

Potency - 11 (Tested)

(HPLC/LC/MS)

Analyte	Result (mg/g)	(%)	LOQ (%)
CBC	<LOQ	0.001	
CBDV	<LOQ	0.001	
CBN	<LOQ	0.001	
THCA-A	<LOQ	0.001	
Total THC	<LOQ	0.001	

Analyte	Result (mg/g)	(%)	LOQ (%)
CBD	929.860	92.986	0.001
CBG	<LOQ	0.001	
Delta-8 THC	<LOQ	0.001	
THCV	<LOQ	0.001	

Analyte	Result (mg/g)	(%)	LOQ (%)
CBDA	<LOQ	0.001	
CBGA	<LOQ	0.001	
Delta-9 THC	<LOQ	0.001	
Total CBD	929.860	92.986	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/g) = Milligram per Gram, , LOQ = Limit of Quantitation, , LOD = Limit of Detection , *Measurement of Uncertainty = +/- 5%

Xueli Gao

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Lab Toxicologist

Aixia Sun

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Terpenes - FL (Tested)

Analyte	Result (mg/g)	(%)	LOQ (%)
(+)-Cedrol	<LOQ		0.02
Alpha-Bisabolol	<LOQ		0.02
alpha-Phellandrene	<LOQ		0.02
Borneol	<LOQ		0.04
Caryophyllene oxide	<LOQ		0.02
Fenchyl Alcohol	<LOQ		0.02
Guaiol	<LOQ		0.02
Isopulegol	<LOQ		0.02
Ocimene	<LOQ		0.014
Sabinene Hydrate	<LOQ		0.02
trans-beta-Ocimene	<LOQ		0.006

Analyte	Result (mg/g)	(%)	LOQ (%)
(R)-(+)-Limonene	0.300	0.030	0.02
alpha-Cedrene	<LOQ		0.02
Alpha-Pinene	<LOQ		0.02
Beta-Myrcene	<LOQ		0.02
Camphene	<LOQ		0.02
cis-Nerolidol	<LOQ		0.02
Farnesene	<LOQ		0.02
Gamma-Terpinene	<LOQ		0.02
Hexahydrothymol	<LOQ		0.02
Linalool	<LOQ		0.02
Pulegone	<LOQ		0.02
Terpineol	<LOQ		0.02
Trans-Caryophyllene	<LOQ		0.02

(GC/GCMS)

Analyte	Result (mg/g)	(%)	LOQ (%)
3-Carene	<LOQ		0.02
alpha-Humulene	<LOQ		0.02
Alpha-Terpinene	<LOQ		0.02
Beta-Pinene	<LOQ		0.02
Camphors	<LOQ		0.04
Eucalyptol	<LOQ		0.02
Fenchone	<LOQ		0.02
Geraniol	<LOQ		0.02
Geranyl acetate	<LOQ		0.02
Isoborneol	<LOQ		0.02
Nerol	<LOQ		0.02
Sabinene	<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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Lab Toxicologist

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Heavy Metals (Passed)

(ICP-MS)

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Arsenic (As)	1500	<LOQ	100
Mercury (Hg)	3000	<LOQ	100

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Cadmium (Cd)	500	<LOQ	100

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Lead (Pb)	500	<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)
Aflatoxin B1	20	<LOQ	6
Aflatoxin G2	20	<LOQ	6

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

Analyte	Action Level (ppb)	Result (ppb)	LOQ (ppb)
Aflatoxin G1	20	<LOQ	6

(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
Bifenazate	3000	<LOQ	30	Bifenthrin	500	<LOQ	30	Boscalid	3000	<LOQ	10
Captan	3000	<LOQ	30	Carbaryl	500	<LOQ	10	Carbofuran	100	<LOQ	10
Chlorantraniliprole	3000	<LOQ	10	Chlordane	100	<LOQ	10	Chlorfenapyr	100	<LOQ	30
Chlormequat 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	Flonicamid	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)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	Absence in 1g

Analyte	Result (cfu/g)
E.Coli	Absence in 1g

Analyte	Result (cfu/g)
Salmonella	Absence in 1g

(cfu/g) = Colony Forming Unit per Gram

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