

# Certificate of Analysis

Order #: GRE201030-050030      Order Date: 2020-10-30      Collection Date: 2020-11-03      Report Date: 2020-11-09

Batch #: LE 210121  
 Sample #: AAAS088  
 Specimen Type: CBD/HEMP Edibles (Ingestion)  
 Extracted From: HEMP  
 Description: 500 mg Organic Cinnamon Full Spectrum MCT Oil Tincture

Initial Gross Weight: 39.027 g  
 Specimen Weight: 199.20 mg  
 Density: 0.9415 g/ml  
 Method: SOP-3



Potency <b>Tested</b>	Heavy Metals <b>Passed</b>	Mycotoxins <b>Passed</b>
Pesticides <b>Passed</b>	Residual Solvents <b>Passed</b>	Microbiology Petrifilm <b>Tested</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> 2.096%	<b>Total THC</b> 0.134%	<b>Total CBG</b> 0.020%
<b>Total CBN</b> 0.029%	<b>Other Cannabinoids</b> 0.055%	<b>Total Cannabinoids</b> 2.333%

Potency - 11 (Tested)				(HPLC/LCMS)			
Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	0.158	0.017	0.001	CBD	19.734	2.096	0.001
CBDV	0.163	0.017	0.001	CBG	0.186	0.020	0.001
CBN	0.271	0.029	0.001	Delta-8 THC	<LOQ	0.001	
THCA-A	<LOQ	0.001		THCV	0.194	0.021	0.001
<b>Total THC</b>	1.262	0.134	0.001	<b>Delta-9 THC</b>	1.262	0.134	0.001
				<b>Total CBD</b>	19.734	2.096	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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### 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	1,1-Dichloroethene	8	<LOQ	0.16	1,2-dichloroethane	5	<LOQ	0.04
1,2-dichloroethane	5	<LOQ	0.04	Acetone	5000	<LOQ	2.08	Acetone	5000	<LOQ	2.08
Benzene	2	<LOQ	0.02	Acetonitrile	410	<LOQ	1.17	Acetonitrile	410	<LOQ	1.17
Butanes	2000	<LOQ	2.5	Benzene	2	<LOQ	0.02	Butanes	2000	<LOQ	2.5
Ethanol	5000	<LOQ	2.78	Chloroform	60	<LOQ	0.04	Chloroform	60	<LOQ	0.04
Ethyl Acetate	5000	<LOQ	1.11	Ethanol	5000	<LOQ	2.78	Ethyl Acetate	5000	<LOQ	1.11
Ethylene Oxide	5	<LOQ	0.1	Ethyl Ether	5000	<LOQ	1.39	Ethyl Ether	5000	<LOQ	1.39
Heptane	5000	<LOQ	1.39	Ethylene Oxide	5	<LOQ	0.1	Heptane	5000	<LOQ	1.39
Isopropyl alcohol	500	<LOQ	1.39	Hexane	290	<LOQ	1.17	Hexane	290	<LOQ	1.17
Methanol	3000	<LOQ	0.69	Isopropyl alcohol	500	<LOQ	1.39	Methanol	3000	<LOQ	0.69
Pentane	5000	<LOQ	2.08	Methylene chloride	600	<LOQ	2.43	Methylene chloride	600	<LOQ	2.43
Propane	2100	<LOQ	5.83	Pentane	5000	<LOQ	2.08	Propane	2100	<LOQ	5.83
Total Xylenes	2170	<LOQ	2.92	Toluene	890	<LOQ	2.92	Toluene	890	<LOQ	2.92
Trichloroethylene	80	<LOQ	0.49	Total Xylenes	2170	<LOQ	2.92	Trichloroethylene	80	<LOQ	0.49

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## Microbiology TYM (Petrifilm/Plating) (Tested)

(Petrifilm)

Analyte	Result (cfu/g)	LOQ (cfu/g)
Yeast/Mold	<100	1000

(cfu/g) = Colony Forming Unit per Gram, , LOQ = Limit of Quantitation

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