

Order #: CRE200313-050024      Order Date: 2020-03-13      Collection Date: 2020-03-17      Report Date: 2020-03-20

Batch #: CHTIN\_1001\_1000  
 Sample #: AAAD748  
 Specimen Type: CBD/HEMP Derivative Products (Ingestion)  
 Extracted From: CBD Isolate  
 Description: 1 oz 1000mg Tincture

Initial Gross Weight: 80923mg  
 Density: .94402g/ml  
 Method: SOP-3



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



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

<b>CBD Total</b> 3.8240%	<b>THC Total</b> Not Detected	<b>CBG Total</b> Not Detected
<b>CBN Total</b> Not Detected	<b>Other Cannabinoids</b> 0.0141%	<b>Total Cannabinoids</b> 3.8381%

**Potency - 16 (Tested)**

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	<LOQ		0.001	CBCA	<LOQ		0.001	CBD	36.099	3.824	0.001
CBDA	<LOQ		0.001	CBDV	0.133	0.014	0.001	CBDVA	<LOQ		0.001
CBG	<LOQ		0.001	CBGA	<LOQ		0.001	CBL	<LOQ		0.001
CBN	<LOQ		0.001	CBNA	<LOQ		0.001	Delta-8-THC	<LOQ		0.001
Delta-9-THC	<LOQ		0.001	THCA-A	<LOQ		0.001	THCV	<LOQ		0.001
THCVA	<LOQ		0.001	<b>Total CBD</b>	36.099	3.824	0.001	<b>Total THC</b>	<LOQ		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

Xueli Gao      Lab Toxicologist  
 Ph.D., DABT

Aixia Sun      Principal Scientist  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)

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721 Cortaro Drive  
 Sun City Center, FL - 33573

P: +1 (866) 762-8379  
 F: +1 (813) 634-4538

E: info@acslabcannabis.com  
 http://www.acslabcannabis.com

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**Residual Solvents (Extract Only) (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)
Acetone	5000	<LOQ	87.9	Benzene	1.6	<LOQ	1.6	Chloroform	53	<LOQ	53
Ethanol	5000	<LOQ	26.7	Hexane	60	<LOQ	36.6	I-Butane	5000	<LOQ	100
Isopropanol	5000	<LOQ	52.3	Methanol	3000	<LOQ	87.9	N-Butane	5000	<LOQ	200
Pentane	5000	<LOQ	389.5	Toluene	890	<LOQ	38.4				

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

**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/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)
Aflatoxin B1		<LOQ	6	Aflatoxin B2		<LOQ	6	Aflatoxin G1		<LOQ	6
Aflatoxin G2		<LOQ	6	Aflatoxin Total	20	<LOQ	6	Ochratoxin A	20	<LOQ	12

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

Xueli Gao  
 Ph.D., DABT      Lab Toxicologist

Aixia Sun  
 D.H.Sc., M.Sc., B.Sc., MT (AAB)      Principal Scientist

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### Pathogenic Microbiology #3 (HEMP Compliance Panel) (Passed) (qPCR)

Analyte	Result
Listeria	
Monocytogenes	Absence

### Pathogenic Microbiology #1 (MMTC Compliance Panel) (Passed) (Micro Array)

Analyte	Result	Analyte	Result
Salmonella	Absence	STEC E. Coli	Absence

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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		0.001	(R)-(+)-Limonene	<LOQ		0.001	3-Carene	<LOQ		0.001
Alpha-Bisabolol	<LOQ		0.001	alpha-Cedrene	<LOQ		0.001	alpha-Humulene	<LOQ		0.001
alpha-Phellandrene	<LOQ		0.001	alpha-Pinene	<LOQ		0.001	alpha-Terpinene	<LOQ		0.001
Borneol	<LOQ		0.001	beta-Myrcene	<LOQ		0.001	beta-Pinene	<LOQ		0.001
Caryophyllene oxide	<LOQ		0.001	Camphene	<LOQ		0.001	Camphors	<LOQ		0.001
Fenchyl Alcohol	<LOQ		0.001	cis-Nerolidol	<LOQ		0.001	Eucalyptol	<LOQ		0.001
Guaiol	<LOQ		0.001	Farnesene	<LOQ		0.001	Fenchone	<LOQ		0.001
Isopulegol	<LOQ		0.001	gamma-Terpinene	<LOQ		0.001	Geraniol	<LOQ		0.001
Ocimene	<LOQ		0.001	Hexahydrothymol	<LOQ		0.001	Geranyl acetate	<LOQ		0.001
Sabinene Hydrate	<LOQ		0.001	Linalool	<LOQ		0.001	Isoborneol	<LOQ		0.001
trans-beta-Ocimene	<LOQ		0.001	Linalool	<LOQ		0.001	Nerol	<LOQ		0.001
				Pulegone	<LOQ		0.001	Sabinene	<LOQ		0.001
				Terpineol	<LOQ		0.001	Terpinolene	<LOQ		0.001
				trans-Caryophyllene	<LOQ		0.001	trans-Nerolidol	<LOQ		0.001
								Valencene	<LOQ		0.001

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

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Ph.D., DABT

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**Pesticides (Passed)**

**(LCMS/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)
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	Chlorfenapyr	100	<LOQ	48
Chlorpyrifos	100	<LOQ	30	Clofentezine	500	<LOQ	30	Coumaphos	100	<LOQ	30
Cypermethrin	1000	<LOQ	30	Daminozide	100	<LOQ	30	DDVP(Dichlorvos)	100	<LOQ	30
Diazinon	200	<LOQ	30	Dimethoate	100	<LOQ	30	Dimethomorph	3000	<LOQ	30
Ethoprop(hos)	100	<LOQ	30	Etofenprox	100	<LOQ	30	Etoxazole	1500	<LOQ	30
Fenhexamid	3000	<LOQ	30	Fenoxycarb	100	<LOQ	30	Fipronil	100	<LOQ	30
Fonicamid	2000	<LOQ	30	Fludioxonil	3000	<LOQ	30	Hexythiazox	2000	<LOQ	30
Imazalil	100	<LOQ	30	Imidacloprid	3000	<LOQ	30	Kresoxim Methyl	1000	<LOQ	30
Malathion A	2000	<LOQ	30	Metalaxyl	3000	<LOQ	10	Methiocarb	100	<LOQ	30
Methomyl	100	<LOQ	30	Mevinphos	100	<LOQ	30	Myclobutanil	3000	<LOQ	30
Naled	500	<LOQ	30	Oxamyl	500	<LOQ	30	Paclobutrazol	100	<LOQ	30
Parathion-methyl	100	<LOQ	10	Pentachloronitrobenzene	200	<LOQ	30	Permethrin	1000	<LOQ	30
Piperonylbutoxide	3000	<LOQ	30	Prallethrin	400	<LOQ	30	Phosmet	200	<LOQ	30
Propoxur	100	<LOQ	30	Pyrethrins	1000	<LOQ	30	Propiconazole	1000	<LOQ	30
Spinetoram	3000	<LOQ	30	Spinosyn A	3000	<LOQ	30	Pyridaben	3000	<LOQ	30
Spiromesifen	3000	<LOQ	30	Spirotetramat	3000	<LOQ	30	Spinosyn D	3000	<LOQ	30
Tebuconazole	1000	<LOQ	30	Thiacloprid	100	<LOQ	30	Spiroxamine	100	<LOQ	30
Trifloxystrobin	3000	<LOQ	30					Thiamethoxam	1000	<LOQ	30

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