

HEALTHY HARVESTING,  
LLC  
638 SPARTANBURG HWY  
70-164  
HENDERSONVILLE, NC 28792

# Certificate of Analysis

**ACS** LABORATORY | CANNABIS & HEMP  
BEYOND COMPLIANCE

Order #: HEA200224-050026      Order Date: 2020-02-24      Collection Date: 2020-02-26      Report Date: 2020-03-03

Batch #: 2114  
Sample #: AAAC811  
Specimen Type: CBD/HEMP Derivative Products (Ingestion)  
Extracted From: 2109  
Description: Healthy Harvesting 50mg/ml Full Spectrum Tincture

Initial Gross Weight: 46258mg  
Density: 0.9501g/ml  
Method: SOP-3



Potency Tested	Residual Solvents Passed	Heavy Metals Passed
Mycotoxins Passed	Pathogenic Passed	Pathogenic Microbiology Passed
Pesticides Passed		



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

<b>CBD Total</b> 5.6291%	<b>THC Total</b> 0.2905%	<b>CBG Total</b> 0.0855%
<b>CBN Total</b> Not Detected	<b>Other Cannabinoids</b> 0.1824%	<b>Total Cannabinoids</b> 6.1874%

## Potency - 11 (Tested)

(HPLC)

Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)	Analyte	Result (mg/ml)	(%)	LOQ (%)
CBC	1.222	0.129	0.001	CBD	53.367	5.617	0.001	CBDA	0.131	0.014	0.001
CBDV	0.511	0.054	0.001	CBG	0.812	0.085	0.001	CBGA	<LOQ		0.001
CBN	<LOQ		0.001	Delta-8-THC	<LOQ		0.001	Delta-9-THC	2.760	0.291	0.001
THCA-A	<LOQ		0.001	THCV	<LOQ		0.001	Total CBD	53.488	5.629	0.001
Total THC	2.760	0.291	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 + THC + 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

Xueli Gao  
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Lab Toxicologist

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Principal Scientist

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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

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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	Analyte	Result
Aspergillus flavus	Absence	Aspergillus fumigatus	Absence	Aspergillus niger	Absence
				Aspergillus terreus	Absence
Salmonella	Absence	STEC E. Coli	Absence		

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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
Flonicamid	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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