



Healer Products Certificates of Analysis (COA)

Dear Healer Patron,

We are committed to producing high quality, clean, and accurately labeled cannabis products to help you feel your best. As you'll see in the following pages, we invest in the most thorough testing available in our region, not just for the content of medicinal components, but also for the absence of pesticides, toxic solvents, heavy metals, and microbiological contaminants.

To be transparent and earn your trust, our third-party laboratory certificates of analysis are attached.

Having previously owned and participated in a cannabis analytic laboratory for several years, I understand the inherent challenges related to reproducibility, calibration, and validation with peer laboratories. In the cannabis analytic industry, potency results are considered accurate within 10% deviation from the actual value. That's why after Healer performs its own internal analytics, we send samples of our bulk extracts and final products to at least one third-party lab, and sometimes two.

If you have any questions about the data on the following pages, we'd love to hear from you. Thank you for choosing Healer and taking a powerful step for your good health.

Sincerely,

Dr. Dustin Sulak

Product Name: Whole Plant Hemp Drops

6:1 CBD:CBDA

Batch #/ID: WPH-002



Healer

Cannabinoids:

Product Expiration Date: 10/08/2022

Current Date: 10/13/20

Ingredients: Organic MCT coconut oil,
Whole Plant Hemp, traces of ethyl alcohol

Cannabinoids:	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBC	CBN	CBDV	THCV	Total	3rd-party lab:
Mg/mL:	1.33	0.161	41.8	7.14	0.538	0.162	1.48		0.266		52.9	Proverde Labs

Terpenes:

Terpenes (0.4% by wt.):	Concentration (ppm):
a-pinene	439
camphene	11.7
myrcene	2,050
b-pinene	213
3-carene	
a-terpinene	7.41
ocimene-1	8.95
limonene	209
p-cymene	
ocimene-2	85
eucalyptol	8.56
γ-terpinene	8.10
terpinolene	112
linalool	43.6
isopulegol	
b-caryophyllene	330
humulene	99.6
cis-nerolidol	
trans-nerolidol	
guaiol	
caryophylline oxide	
a-bisabolol	
3rd-party lab:	Proverde Labs

Pesticides:

Pass or Fail:	Non-Detected:	3rd-party lab:
Pass	Zero detected for 17 tested pesticides*	Proverde Labs

*Bulk concentrates tested

Heavy Metals:

Pass or Fail:	Non-Detected:	3rd-party lab:
Pass	Zero detected: Arsenic, Cadmium, Mercury, Lead*	Nelson Analytics

*Bulk concentrates tested

Solvents:

Pass or Fail:	Detected/Non-detected levels:	3rd-party lab:
Pass	Ethyl Alcohol – 9,890 ppm (9.89 mg/mL)	Proverde Labs
Pass	Zero detected for 9 other volatile organic solvents	Proverde Labs

Microbiologic Contaminants:

Pass or Fail:	Non-detected:	3rd-party lab:
Pass	Zero detected: Aerobic Bacterial, Coliform Bacterial, Bile Tolerant Gram Negative	Proverde Labs
Pass	Zero detected: Total Yeast & Mold, E.coli, Salmonella	Proverde Labs



3rd Party Lab Results Attached

Certificate ID: **89142**

 Received: **10/27/20**

 Scan QR Code
 for authenticity

Healer Hemp, LLC
119 Orion St.
Brunswick, ME 04011
Attn: Bradley Feuer

 Client Sample ID: **Whole Plant CBD**

 Lot Number: **WPH002**

 Matrix: **Tincture/Infused Oil - MCT Oil**

Authorization:

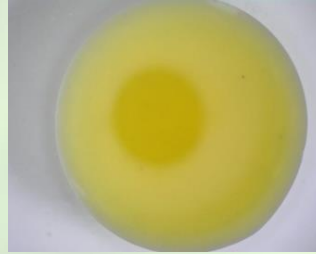
Lisa Harding, Lab Manager

Signature:



Date:

11/6/2020



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.


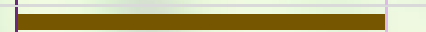




CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: AC

Test Date: 11/3/2020

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

89142-CN

ID	Weight %	Concentration (mg/mL)	
D9-THC	0.141	1.33	
THCV	ND	ND	
CBD	4.43	41.8	
CBDV	0.0282	0.266	
CBG	0.0570	0.538	
CBC	0.157	1.48	
CBN	ND	ND	
THCA	0.0171	0.161	
CBDA	0.757	7.14	
CBGA	0.0172	0.162	
D8-THC	ND	ND	
exo-THC	ND	ND	
Total	5.61	52.9	0% Cannabinoids (wt%) 4.4%
Max THC	0.156	1.48	
Max CBD	5.09	48.0	

Ratio of Total CBD to THC 32.6:1

Limit of Quantitation (LOQ) = 0.0111 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is one third of LOQ.

TP: Terpenes Profile [WI-10-08]

Analyst: AC

Test Date: 11/5/2020

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

89142-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0439	439	
camphene	79-92-5	0.0012	11.7	
myrcene	123-36-3	0.205	2,050	
beta-pinene	127-91-3	0.0213	213	
3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	0.0007	7.41	
Ocimene-1	-	0.0009	8.95	
limonene	138-86-3	0.0209	209	
p-cymene	99-87-6	ND	ND	
Ocimene-2	-	0.0085	85.0	
eucalyptol	470-82-6	0.0009	8.56	
gamma-terpinene	99-85-4	0.0008	8.10	
terpinolene	586-62-9	0.0112	112	
linalool	78-70-6	0.0044	43.6	
isopulegol	89-79-2	ND	ND	
beta-caryophyllene	87-44-5	0.0330	330	
humulene	6753-98-6	0.0100	99.6	

wt% 0.00 0.25 0.50

Total Terpene: 0.4 wt%

* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

PST: Pesticide Analysis [WI-10-11]

Analyst: LCH

Test Date: 11/5/2020

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

89142-PST

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.20	10	PASS
Spinosad	168316-95-8	ND	ppb	0.10	10	PASS
Pyrethrin	8003-34-7	ND	ppb	0.10	10	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	10	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	10	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	10	PASS
Paclbutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	10	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Etoazole	153233-91-1	ND	ppb	0.10	10	PASS
Dichlorvos	62-73-7	ND	ppb	3.00	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	10	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	10	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	10	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	10	PASS

* Testing limits established by the Massachusetts Department of Public Health, Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries, Exhibit 5. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

NELSON ANALYTICAL LAB

120 York Street
 Kennebunk, ME 04046
 (207) 467-3478

ISO 17025:2017 Certification
 ANAB Certificate Number AT-2169
 Maine CDC Accreditation # MTF001
 Office of Marijuana Policy MTF328

Weight Received(g)

REPORT OF ANALYSIS
Healer Hemp, LLC
C20110073.01
WPH002(Oil Tincture)

Date sampled : 11/04/2020
Reported Date: 11/07/2020
Temp Received:

Total Mycotoxins

Analyte	Result	Reporting Limit	Units	Q	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Total Aflatoxin (B1,B2,G1,G2)	<10	10	ppb		11/06/2020 15:15	ELISA	RK	N/A	
Ochratoxin	<10	10	ppb		11/06/2020 15:15	ELISA	RK	N/A	
Total Mycotoxins	<20	20	ppb		11/06/2020 15:15	ELISA	RK	20	Pass

Metals by ICP MS

Analyte	Result	Reporting Limit	Units	Q	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Arsenic	ND	100	ug/kg		11/06/2020 14:46	EPA 200.8	LAM	N/A	
Cadmium	ND	100	ug/kg		11/06/2020 14:46	EPA 200.8	LAM	N/A	
Lead	ND	100	ug/kg		11/06/2020 14:46	EPA 200.8	LAM	N/A	
Mercury	ND	80	ug/kg		11/06/2020 14:46	EPA 200.8	LAM	N/A	

Results as reported above relate only to samples as submitted, unless specifically noted otherwise.

VC: Analysis of Volatile Organic Compounds [WI-10-07]

Analyst: AC

Test Date: 11/5/2020

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

89142-VC

Compound	CAS	Amount ¹	Limit ²	RL	Status
Propane	74-98-6	ND	1,000 ppm	100	PASS
Isobutane	75-28-5	ND	1,000 ppm	100	PASS
Butane	106-97-8	ND	1,000 ppm	100	PASS
Methanol	67-56-1	ND	3,000 ppm	100	PASS
Pentane	109-66-0	ND	5,000 ppm	100	PASS
Ethanol	64-17-5	9,890 ppm	5,000 ppm	100	*
Acetone	67-64-1	ND	5,000 ppm	100	PASS
Isopropanol	67-63-0	ND	5,000 ppm	100	PASS
Acetonitrile	75-05-8	ND	410 ppm	100	PASS
Hexane	110-54-3	ND	290 ppm	100	PASS
Heptane	142-82-5	ND	5,000 ppm	100	PASS

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health for cannabis concentrates and extracts on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

(*) For ethanol, as many formulations contain flavorings based on ethanol extracts of natural products, no status has been assigned.

END OF REPORT