Healer

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 CBDA Drops
Whole Plant Hemp CBDA
Batch #/ID: WPA.T.004

Product Expiration Date: 12/22/2022
Current Date: 12/24/2020

Ingredients: Organic MCT coconut oil, MOFGA Certified Clean Maine Industrial Hemp <0.3% THC, traces of ethyl alcohol

Cannabinoids:

Cannabinoids:	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBCA	CBN	CBDV	CBDVA	Total	**3rd-party lab:**
Mg/mL:		1.48	6.74	40.8			2.37		3.49	5.52	60.4	Nova Analytics

*Units converted from mg/g into mg/mL using density 0.93 g/mL

Terpenes:

Terpenes (0.3% by wt.):	**Concentration (ppm):**
a-pinene	339
camphene	8.09
myrcene	1,360
b-pinene	163
3-carene	
a-terpinene	
ocimene-1	
limonene	177
p-cymene	
ocimene-2	84.8
eucalyptol	7.20
y-terpinene	
terpinolene	116
linalool	32
isopulegol	
b-caryophyllene	498
humulene	126
cis-nerolidol	
trans-nerolidol	
guaiol	12.9
caryophylline oxide	12.5
a-bisabolol	16.2
3rd-party lab:	Proverde Labs

Pesticides:

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

*Concentrated Formulations Tested

Heavy Metals:

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

*Concentrated Formulations Tested

Solvents:

Pass or Fail:	**Detected/Non-detected levels:**	**3rd-party lab:**
Pass	Ethyl Alcohol – 13,600 ppm (13.6 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

NOVA ANALYTIC LABS
Tomorrow's Testing, Today.

NOVA ANALYTIC LABS // 65 MILLIKEN STREET, UNIT C PORTLAND ME 04103 // PH: 2074664661
EMAIL: INNOVATION@NOVA-ANALYTICLABS.COM
ME LICENSE #: MTF284

CERTIFICATE OF ANALYSIS

** FOR QUALITY ASSURANCE PURPOSES. NOT A MAINE COMPLIANCE CERTIFICATE.*

PRODUCED: DEC 28, 2020

SAMPLE: WPA.T.004 (TINCTURE) // **CLIENT**: HEALER HEMP LLC // **BATCH**: PASS

MATRIX: TINCTURE
DENSITY: 0.930 g/ml
SAMPLE ID: NAL-201221-021
COLLECTED ON: DEC 21, 2020
RECEIVED ON: DEC 21, 2020
BATCH SIZE: 1 UNITS
SAMPLE SIZE: 1 UNITS
SAMPLED BY: DAN HUGHES
SERVING SIZE: 0.0186 G

CANNABINOID OVERVIEW

Δ^9-THC PER SERVING:	**< LOQ**
CBD PER SERVING:	**0.13 mg**
TOTAL CANNABINOIDS:	**1.21 mg**

MANUFACTURER INFO

MANUFACTURER
BRADLEY FEUER
119 ORION ST
BRUNSWICK, MAINE 04011

LICENSE
CGR26424
MEDICINAL - CAREGIVER

BATCH RESULT: PASS

POTENCY TESTED

CAN.1: POTENCY & CANNABINOID PROFILE BY HPLC-UV
PREPARATION: DEC 22, 2020 // ANALYSIS: DEC 22, 2020

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
CBC		< LOQ	< LOQ	265/1330	N/A
CBCA		0.255 %	2.55 mg/g	265/1330	N/A
CBD		0.725 %	7.25 mg/g	265/1330	N/A
CBDA		4.39 %	43.9 mg/g	265/1330	N/A
CBDV		0.375 %	3.75 mg/g	265/1330	N/A
CBDVA		0.594 %	5.94 mg/g	265/1330	N/A
CBG		ND	ND	265/1330	N/A
CBGA		< LOQ	< LOQ	265/1330	N/A
CBL		ND	ND	265/1330	N/A
CBLA		ND	ND	265/1330	N/A
CBN		ND	ND	265/1330	N/A
CBNA		ND	ND	265/1330	N/A

ANALYTE	LIMIT	AMT	AMT	LOD/LOQ (µg/g)	PASS/FAIL
Δ^8-THC		ND	ND	265/1330	N/A
Δ^9-THC		< LOQ	< LOQ	265/1330	N/A
Δ^{10}-THC		ND	ND	265/1330	N/A
EXO-THC		ND	ND	265/1330	N/A
THCA		0.159 %	1.59 mg/g	265/1330	N/A
THCV		ND	ND	265/1330	N/A
THCVA		ND	ND	265/1330	N/A
TOTAL THC **		0.139 %	1.39 mg/g		N/A
TOTAL CBD **		4.58 %	45.8 mg/g		N/A
CBD/SRV		0.130 mg			N/A
Δ^9-THC/SRV		< LOQ			N/A

** TOTAL THC = (THCA X 0.877) + THC
** TOTAL CBD = (CBDA X 0.877) + CBD
Reported on an as received basis
1000 µg/g = 1 mg/g

RESULTS CERTIFIED BY:
BARRY CHAFFIN
COO, NOVA ANALYTIC LABS
DEC 28, 2020

RESULTS CERTIFIED BY:
GREG NEWLAND
CSO, NOVA ANALYTIC LABS
DEC 28, 2020

RESULTS CERTIFIED BY:
CHRIS ALTOMARE
CEO, NOVA ANALYTIC LABS
DEC 28, 2020

** FOR QUALITY ASSURANCE PURPOSES. NOT A MAINE COMPLIANCE CERTIFICATE.*

TP: Terpenes Profile [WI-10-27]

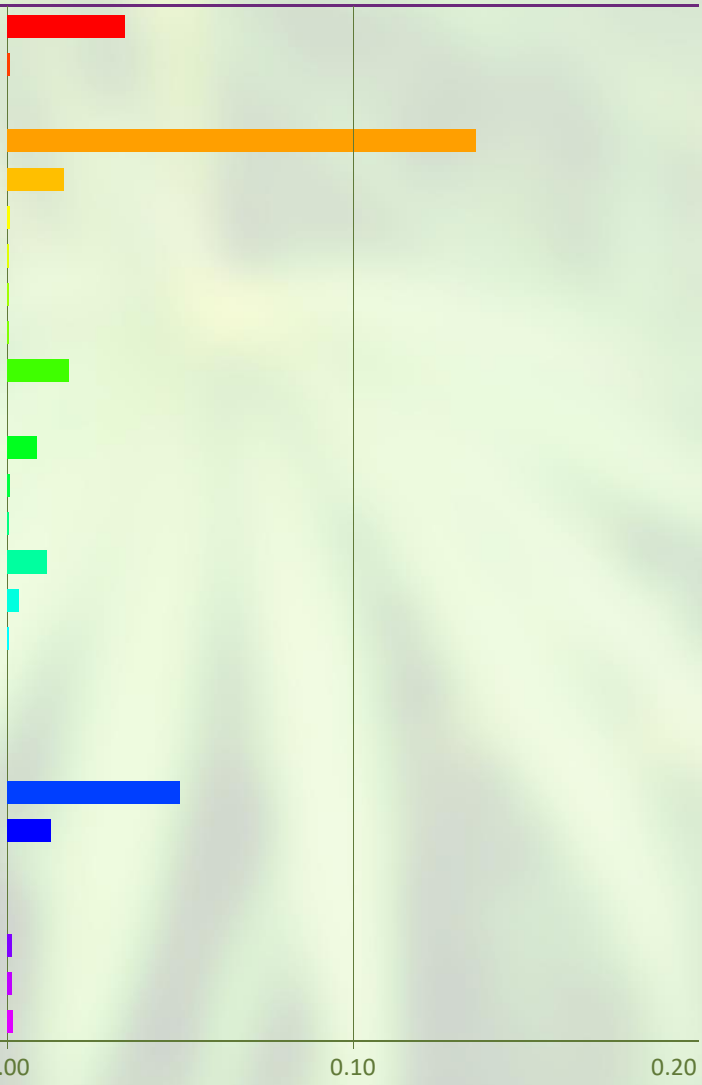
Analyst: AEG *Test Date: 12/17/2020*

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.

90822-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)
alpha-pinene	80-56-8	0.0339	339
camphene	79-92-5	0.0008	8.09
sabinene*	3387-41-5	ND	ND
beta-myrcene	123-35-3	0.136	1,360
beta-pinene	127-91-3	0.0163	163
alpha-phellandrene	99-83-2	0.0008	7.53
delta-3-carene	13466-78-9	<RL	<RL
alpha-terpinene	99-86-5	<RL	<RL
alpha-ocimene	502-99-8	<RL	<RL
D-limonene	138-86-3	0.0177	177
p-cymene	99-87-6	ND	ND
cis-beta-ocimene	3338-55-4	0.0085	84.8
eucalyptol	470-82-6	0.0007	7.20
gamma-terpinene	99-85-4	<RL	<RL
terpinolene	586-62-9	0.0116	116
linalool	78-70-6	0.0032	32.0
L-fenchone*	7787-20-4	<RL	<RL
isopulegol	89-79-2	ND	ND
menthol*	89-78-1	ND	ND
geraniol	106-24-1	ND	ND
beta-caryophyllene	87-44-5	0.0498	498
alpha-humulene	6753-98-6	0.0126	126
cis-nerolidol	3790-78-1	ND	ND
trans-nerolidol	40716-66-3	ND	ND
guaiol	489-86-1	0.0013	12.9
caryophyllene oxide	1139-30-6	0.0013	12.5
alpha-bisabolol	23089-26-1	0.0016	16.2

Qualitative Profile



Total Terpene: 0.3 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.

CERTIFICATE OF ANALYSIS

** FOR QUALITY ASSURANCE PURPOSES. NOT A MAINE COMPLIANCE CERTIFICATE.*

PRODUCED: DEC 24, 2020

SAMPLE: H.20-005 (TINCTURE) // **CLIENT**: HEALER HEMP LLC // **BATCH**: PASS

MATRIX: TINCTURE
CATEGORY: EDIBLE
SAMPLE ID: NAL-201221-020
COLLECTED ON: DEC 21, 2020
RECEIVED ON: DEC 21, 2020
BATCH SIZE: 1 UNITS
SAMPLE SIZE: 1 UNITS
SAMPLED BY: DAN HUGHES

NOVA ANALYTIC LABS
Tomorrow's Testing, Today.

CULTIVATOR INFO

CULTIVATOR
BRADLEY FEUER

LICENSE
CGR26424
MEDICINAL - CAREGIVER

BATCH RESULT: PASS

METALS	PASS
PESTICIDES	PASS

RESULTS CERTIFIED BY: CHRIS ALTOMARE
LABORATORY DIRECTOR, NOVA ANALYTIC LABS
DEC 24, 2020

PES.1: PESTICIDES, INSECTICIDES, FUNGICIDES AND GROWTH REGULATORS BY LC-MS/MS // DEC 22, 2020

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ	PASS/FAIL
BIFENTHRIN	Any amt	ND		PASS
CYFLUTHRIN	Any amt	ND		PASS
DAMINOZIDE	Any amt	ND		PASS
ETOXAZOLE	Any amt	ND		PASS
IMAZALIL	Any amt	ND		PASS
MYCLOBUTANIL	Any amt	ND		PASS
SPIROMESIFEN	Any amt	ND		PASS
TRIFLOXYSTROBIN	Any amt	ND		PASS

HME.1: HEAVY METALS BY ICP-MS // DEC 24, 2020

ANALYTE	LIMIT	AMT (µg/kg)	LOD/LOQ (µg/g)	PASS/FAIL
ARSENIC	1500 µg/kg	ND	0.0001/0.00025	PASS
CADMIUM	500 µg/kg	ND	0.0001/0.00025	PASS
LEAD	500 µg/kg	ND	0.0001/0.0003	PASS
MERCURY	3000 µg/kg	ND	0.0001/0.0002	PASS

** FOR QUALITY ASSURANCE PURPOSES. NOT A MAINE COMPLIANCE CERTIFICATE.*

END OF REPORT

VC: Analysis of Volatile Organic Compounds [WI-10-28] *Analyst: AEG* *Test Date: 12/16/2020*

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.

90822-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	13,600 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

MB1: Microbiological Contaminants [WI-10-09] *Analyst: DCR* *Test Date: 12/17/2020*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

90822-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	100,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	1,000 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	1,000 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	10,000 CFU/g	PASS

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. Note: All recorded Microbiological tests are within the established limits.

MB2: Pathogenic Bacterial Contaminants [WI-10-10] *Analyst: DCR* *Test Date: 12/18/2020*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

90822-MB2

Test ID	Analysis	Results	Units	Limits*	Status
90822-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
90822-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.