

120 York Street
Kennebunk, ME 04043
(207)467-3478



ANAB Certificate Number: AT-2169
www.testedlabs.com

10 May 2019


Dear Casper's Farm:
P.O. Box 40 Ithaca NY , 14851:

Enclosed are the results of analytical testing performed on the following samples:

Laboratory ID	Sample Location	Date sampled	Date received
C19050124.01	#1	09-May-19 00:00	09-May-19 09:55
C19050124.02	#2	09-May-19 00:00	09-May-19 09:55

The results in this report relate only to the submitted samples. If you have any questions concerning this report, please feel free to contact me at 207-467-3478.

Sincerely,


Lorri Maling



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



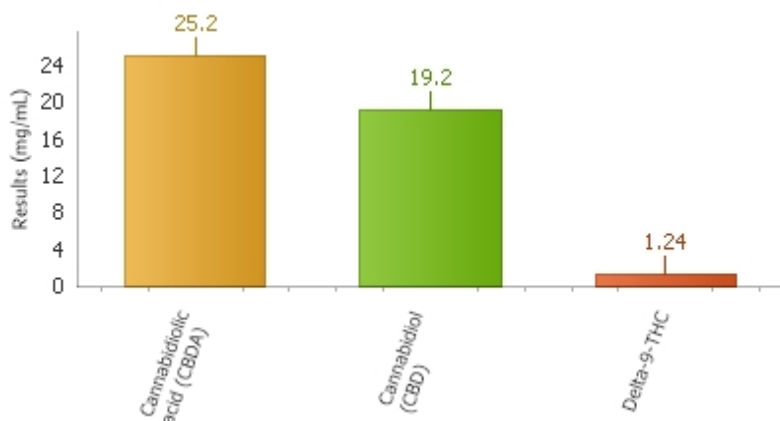
ANAB Certificate Number AT-2169
 www.Testedlabs.com

Date sampled : 05/09/2019

REPORT OF ANALYSIS

Reported Date: 05/10/2019

Casper's Farm
C19050124.01
#1(Tincture)



Cannabinoids by HPLC

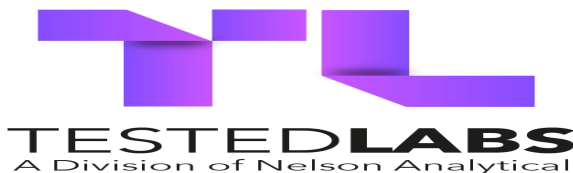
Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Cannabidivarin (CBDV)	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Cannabidiolic acid (CBDA)	25.2	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Cannabigerolic acid (CBGA)	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Cannabigerol (CBG)	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Cannabidiol (CBD)	19.2	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Tetrahydrocannabivarin (THCV)	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Cannabinol (CBN)	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Delta-9-THC	1.24	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Delta-8-THC	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Cannabichromene (CBC)	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
THCA-A	ND	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	

Total Cannabinoids by HPLC (Calculated)

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Total CBD (CBD+CBDA) Calculated	44.4	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Max CBD-Calculated	41.3	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Total THC (THC+THCA) Calculated	1.24	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Max THC- Calculated	1.24	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	
Total Cannabinoids- Calculated	45.6	0.5	mg/mL	05/10/2019 08:59	HPLC SOP-7	LAM	N/A	

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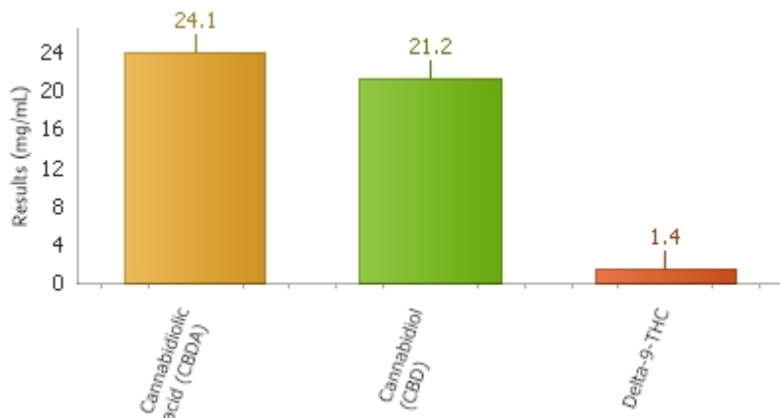
ANAB Certificate Number AT-2169
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Date sampled : 05/09/2019

REPORT OF ANALYSIS

Reported Date: 05/10/2019

Casper's Farm
C19050124.02
#2(Tincture)



Cannabinoids by HPLC

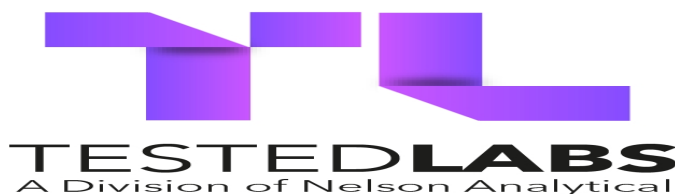
Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Cannabidivarin (CBDV)	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Cannabidiolic acid (CBDA)	24.1	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Cannabigerolic acid (CBGA)	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Cannabigerol (CBG)	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Cannabidiol (CBD)	21.2	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Tetrahydrocannabivarin (THCV)	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Cannabinol (CBN)	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Delta-9-THC	1.4	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Delta-8-THC	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Cannabichromene (CBC)	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
THCA-A	ND	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	

Total Cannabinoids by HPLC (Calculated)

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Total CBD (CBD+CBDA) Calculated	45.4	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Max CBD-Calculated	42.5	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Total THC (THC+THCA) Calculated	1.4	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Max THC- Calculated	1.4	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	
Total Cannabinoids- Calculated	46.8	0.5	mg/mL	05/10/2019 09:09	HPLC SOP-7	LAM	N/A	

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Notes and Definitions

Unless otherwise noted below, analyses were performed without significant modifications and QC met the quality standards outlined in the methods reported.

Cannabinoid Totals Statement:

Total THC= THC+THCA
Total CBD = CBD+CBDA
Total CBG = CBG+CBGA

Heat activation of cannabis products converts THCA to THC and CBDA to CBD in a time and temperature dependent manner. This conversion is known as decarboxylation and results from the loss of CO₂ during heating.

THC-Total (Max THC)= Delta 8 THC + Delta 9 THC + (THCA x 0.877)
CBD-Total (Max CBD)= CBD + (CBDAx0.880)
CBG-Total= CBG + (CBGA x 0.876)

Tested Labs/Nelson Analytical, Nelson Analytical LLC, Manchester and Aquarian Analytical are accredited for testing by ISO/IEC 17025:2005 for the following parameters only:

Samples Handling, Receipt and disposal for Cannabis: SOP-ALL-1

Cannabinoids: Cannabinol (CBN), Cannabidiol (CBD), Cannabidiolic Acid (CBDA), Cannabigerol (CBG), Cannabigerolic Acid (CBGA), Cannabichromene (CBC), delta-9-THC, delta-8-THC, THCA-A, Tetrahydrocannabivarin (THCV), Cannabidivarin (CBDV) by High Pressure Liquid Chromatography(HPLC). HPLC SOP-7

Metals Preparation and Analysis: Arsenic, Cadmium, Lead and Mercury (EPA method 200.8)

Terpenes Analysis by GC/MS
Ethanol (Based on EPA Method 8260) by GC/MS
Pesticides (Based on AOAC Official Method 2007.01 Pesticide Residues in Foods QueCHers)-SOP-AQC-104

Yeast and Mold (Based on FDA BAM Chapter 18 and USP 37-NF 32<2021>) SOP-NHM-1004 and NHM-1012 and AOAC Method 997.02

E.coli (Based on USP 37-NF 32<2022>) SOP-NHM-1003 and AOAC Method 991.14

Total Coliform and E.coli (Based on FDA BAM Chapter 4) SOP-NHM-1007 and AOAC Method 991.14

Aerobic Plate Count (Based on FDA BAM Chapter 3 and USP 37-NF 32<2021>) SOP-NHM-1002 and SOP-NHM-1001 and AOAC Method 990.12

Enterobacteriaceae-Bile Tolerant gram-negative bacteria (Based on USP 37-NF 32<2021>) SOP-NHM-1008 and OMA 2003.01

Salmonella Sp. (Based on USP 37-NF 32 <2022>, AOAC RI 030301,AOAC RI 051303-PCR) SOP-NHM-1006, SOP NHM-1013, NHM-SOP-1017

Listeria Sp. (Based on AOAC RI 020401, AOAC RI 071304)SOP-NHM-1014, SOP-NHM-1016

Staphylococcus aureus (Based on FDA BAM Chapter 12, USP 37-NF<2022>) SOP-NHM-1011, SOP-NHM-1005

Cannabinoid and Terpene Analysis are based on laboratory developed methods. All other testing is based on established EPA, USP or FDA methods.

Matrix matched quality control check samples for cannabis are available for microbiological analysis in a hemp-based QC. Other matrix matched quality control samples for most matrices do not exist for cannabis currently. Due to this unavailability, even ISO/IEC validated methods cannot be fully verified for the efficiency and accuracy of the extraction and analysis in any current Maine or New Hampshire Laboratory.

ND- Analyte result not detected above the method reporting limit

All sample results are reported on an "as received" basis.

Pass/Fail limits for New Hampshire are those defined in the State of New Hampshire Administrative Rule He-C 400, Therapeutic Cannabis Program, HE-C 402.15(d)

Pass/Fail limits for Maine have not been established at this point and are listed as not applicable.

Edibles are reported as mg/g (not per serving)

Edible conversion calculation: mg/g in product x final weight of product= mg per product

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