

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



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

13 February 2019

Dear NY Hemp Source:

445 5th Ave. #96 New York NY , 10016:

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

Laboratory ID	Sample Location	Date sampled	Date received
C19020084.01	Crude Sample	07-Feb-19 00:00	07-Feb-19 10:10

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
Laboratory Director



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



ANAB Certificate Number AT-2169
 www.Testedlabs.com

Date sampled : 02/07/2019

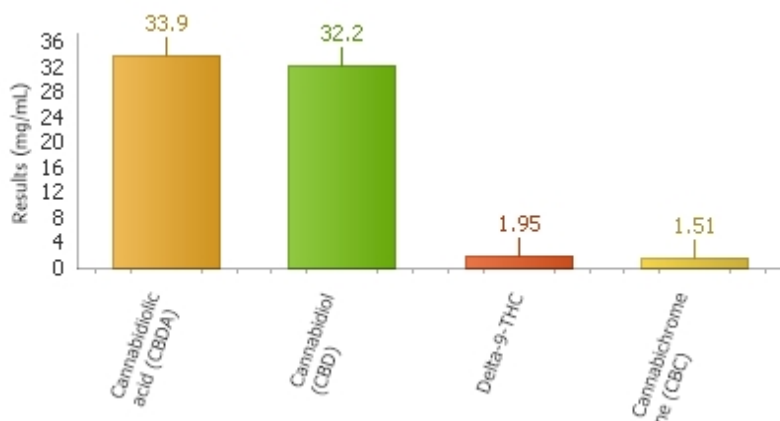
REPORT OF ANALYSIS

Reported Date: 02/13/2019

NY Hemp Source

C19020084.01

Crude Sample(Oil Tincture)



Cannabinoids by HPLC

Analyte	Result	Reporting Limit	Units	Analyzed	Method	Analyst	Pass/Fail Limit	Test Remarks
Cannabidivarin (CBDV)	ND	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Cannabidiolic acid (CBDA)	33.9	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Cannabigerolic acid (CBGA)	ND	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Cannabigerol (CBG)	ND	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Cannabidiol (CBD)	32.2	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Tetrahydrocannabivarin (THCV)	ND	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Cannabinol (CBN)	ND	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Delta-9-THC	1.95	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Delta-8-THC	ND	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Cannabichromene (CBC)	1.51	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
THCA-A	ND	0.5	mg/mL	02/10/2019 12:48	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	66.2	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Max CBD-Calculated	62.1	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Total THC (THC+THCA) Calculated	2.21	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Max THC- Calculated	2.18	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	
Total Cannabinoids- Calculated	69.9	0.5	mg/mL	02/10/2019 12:48	HPLC SOP-7	LAM	N/A	

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

120 York Street
Kennebunk, ME 04043
(207)467-3478 or (207)618-9333



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

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

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

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



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

13 February 2019

Dear NY Hemp Source:

445 5th Ave. #96 New York NY , 10016:

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

Laboratory ID	Sample Location	Date sampled	Date received
C19020084.01	Crude Sample	07-Feb-19 00:00	07-Feb-19 10:10

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
Laboratory Director



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



ANAB Certificate Number AT-2169
 www.testedlabs.com

Date Reported : 13-Feb-19 14:15

REPORT OF ANALYSIS

sampled Date: 07-Feb-2019 12:00

NY Hemp Source

Crude Sample

Canabis Metals

<u>Analyte</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>Method</u>	<u>Analyst</u>	<u>Pass/Fail Limit</u>	<u>Test Remarks</u>
Arsenic	ND	0.001	mg/L	02/08/2019 18:09	EPA 200.8	JH	0.010	
Cadmium	ND	0.001	mg/L	02/08/2019 18:09	EPA 200.8	JH	0.005	
Lead	ND	0.001	mg/L	02/08/2019 18:09	EPA 200.8	JH	0.015	
Mercury	ND	0.0004	mg/L	02/08/2019 18:09	EPA 200.8	JH	0.002	

Microbiologicals

<u>Analyte</u>	<u>Result</u>	<u>Reporting Limit</u>	<u>Units</u>	<u>Analyzed</u>	<u>Method</u>	<u>Analyst</u>	<u>Pass/Fail Limit</u>	<u>Test Remarks</u>
Aerobic Plate Count	ND	100	cfu/mL	02/07/2019 16:03	AOAC 990.12	NRS	N/A	
Yeast	ND	100	cfu/g	02/07/2019 16:03	AOAC 997.02	NRS	N/A	
Mold	ND	100	cfu/g	02/07/2019 16:03	AOAC 997.02	NRS	N/A	
Salmonella	ND	Negative	per gram	02/11/2019 17:30	AOAC RI 051303 (PCR)	SUB 1	N/A	
Total Coliform Bacteria	ND	100	cfu/g	02/07/2019 16:03	AOAC 991.14	NRS	N/A	
E.Coli	ND	100	cfu/g	02/07/2019 16:03	AOAC 991.14	NRS	N/A	

120 York Street
Kennebunk, ME 04043
(207)467-3478 or (207)618-9333



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

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

CERTIFICATE OF ANALYSIS



Order #: 33554
 Order Name: FSD LOT
 19NYS-196A
 Batch#: HFO
 Received: 07/19/2019
 Completed: 07/25/2019



Sample



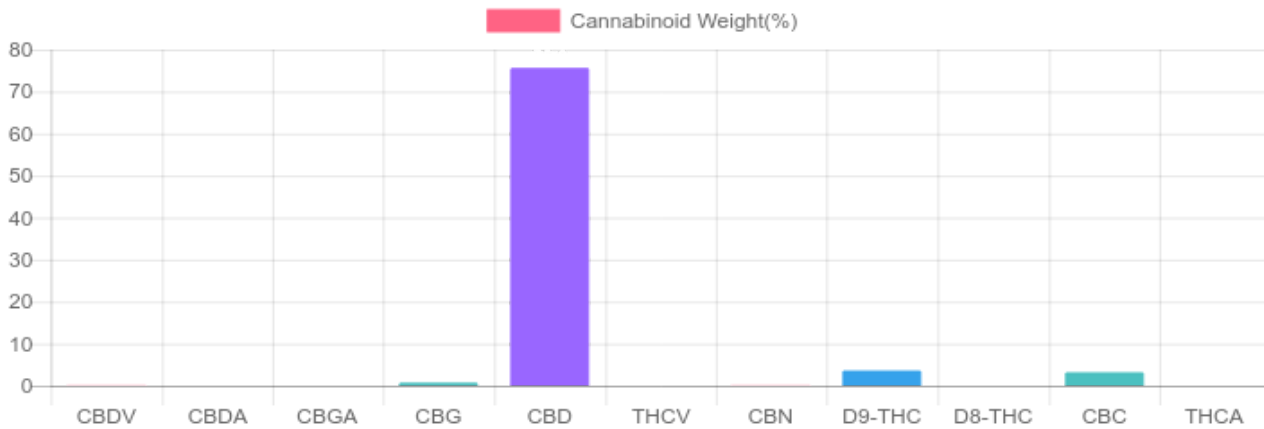
3.6%
D9-THC

75.6%
Total CBD

Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA
 GSL SOP 400 PREPARED: 07/22/2019 15:10:21 UPLOADED: 07/22/2019 22:00:19

Cannabinoids	LOQ	weight(%)	mg/g
D9-THC	10 PPM	3.6%	35.8
THCA	10 PPM	N/D	N/D
CBD	10 PPM	75.6%	755.6
CBDA	20 PPM	N/D	N/D
CBDV	20 PPM	0.1%	1.2
CBC	10 PPM	3.2%	31.9
CBN	10 PPM	0.1%	1.4
CBG	10 PPM	0.7%	7.4
CBGA	20 PPM	N/D	N/D
D8-THC	10 PPM	N/D	N/D
THCV	10 PPM	N/D	N/D
TOTAL D9-THC		3.6%	35.8
TOTAL CBD*		75.6%	755.6
TOTAL CANNABINOIDS		83.3%	833.3



Reporting Limit 1000 ppm
 *Total CBD = CBD + CBDA x 0.877
 N/D - Not Detected, B/LOQ - Below Limit of Quantification



4001 SW 47th Avenue Suite 207
 Davie, FL 33314
 1-833-TEST-CBD
 info@greenscientificlabs.com



Dylan Swart
 Dylan Swart, Lab Director

Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.

CERTIFICATE OF ANALYSIS



Order #: 33554
 Order Name: FSD LOT
 19NYS-196A
 Batch#: HFO
 Received: 07/19/2019
 Completed: 07/25/2019



PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 07/22/2019 21:20:48

UPLOADED: 07/24/2019 22:16:16

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001	IMAZALIL	0.100	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEQUINOCYL	0.100	N/D	0.001	0.001	KRESOXIM-METHYL	0.100	N/D	0.010	0.005
ACETAMIPRID	0.100	N/D	0.005	0.001	MALATHION	0.500	N/D	0.005	0.001
ALDICARB	0.100	N/D	0.005	0.001	METALAXYL	2.000	0.093	0.001	0.001
AZOXYSTROBIN	0.100	0.057	0.001	0.001	METHIOCARB	0.100	N/D	0.005	0.001
BIFENAZATE	0.100	N/D	0.005	0.001	METHOMYL	1.000	N/D	0.001	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001	MEVINPHOS	0.100	N/D	0.001	0.001
BOSCALID	0.100	N/D	0.005	0.001	MYCLOBUTANIL	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001	NALED	0.100	N/D	0.005	0.001
CARBOFURAN	0.100	N/D	0.001	0.001	OXAMYL	0.500	N/D	0.001	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PACLOBUTRAZOL	0.100	N/D	0.005	0.001
CHLORPYRIFOS	0.100	N/D	0.001	0.001	PERMETHRINS	0.500	N/D	0.005	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001	PHOSMET	0.100	N/D	0.005	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001	PIPERONYL	3.000	N/D	0.001	0.001
DIAZANON	0.100	N/D	0.001	0.001	BUTOXIDE				
DICHLORVOS	0.100	N/D	0.005	0.001	PRALLETHRIN	0.100	N/D	0.005	0.005
DIMETHOATE	0.100	N/D	0.001	0.001	PROPICONAZOLE	0.100	N/D	0.010	0.005
DIMETHOMORPH	2.000	N/D	0.005	0.001	PROPOXUR	0.100	N/D	0.001	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001	PYRETHRINS				
ETOFENPROX	0.100	N/D	0.001	0.001	(PYRETHRIN I)	0.500	N/D	0.005	0.005
ETOXAZOLE	0.100	N/D	0.010	0.005	PYRIDABEN	0.100	N/D	0.005	0.001
FENHEXAMID	0.100	N/D	0.005	0.001	SPINETORAM	0.100	N/D	0.001	0.001
FENOXYCARB	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.001	0.001
FENPYROXIMATE	0.100	N/D	0.001	0.001	SPIROMESIFEN	0.100	N/D	0.005	0.001
FIPRONIL	0.100	N/D	0.003	0.001	SPIROTETRAMAT	0.100	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.025	0.010	SPIROXAMINE	0.100	N/D	0.001	0.001
FLUDIOXONIL	0.100	N/D	0.003	0.001	TEBUCONAZOLE	0.100	N/D	0.005	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001	THIACLOPRID	0.100	N/D	0.001	0.001
					THIAMETHOXAM	5.000	N/D	0.001	0.001
					TRIFLOXYSTROBIN	0.100	N/D	0.001	0.001

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level



4001 SW 47th Avenue Suite 207
 Davie, FL 33314
 1-833-TEST-CBD
 info@greenscientificlabs.com



Dylan Swart, Lab Director

Green Scientific Labs uses its best efforts to deliver high quality results and to verify that the data contained therein are based on sound scientific judgment and levels listed are guidelines only and all data was reported based on standard laboratory procedures and deviations. However Green Scientific Labs makes no warranties or claims to that effect and further shall not be liable for any damage or misrepresentation that may result from the use or misuse of the data contained herein in any way. Further, Green Scientific Labs makes no claims regarding representations of the analyzed sample to the larger batch from which it was taken. Data and information in this report are intended solely for the individual(s) for whom samples were submitted and as part of our strict confidentiality policy, Green Scientific Labs can only discuss results with the original client of record.