Analytical Report

Report To:
Curaleaf LLC
Attn: Todd Levy
100 Grist Mill
Simsbury, CT 06070

E-Mail: todd@curaleaf.com

Date Received: **01/27/2017**
Date Tested: **01/27/2017**
Laboratory Report#: N1768750-01

Report Date: **02/07/2017**

Sample Site:	**CURALEAF** • **100 GRIST MILL RD, SIMSBURY CT**
Date Collected:	**01/27/2017 9:30 Collected by: C. Appell of NELabs**
Laboratory ID #:	**1768750 – 01**
Product Description:	**1701005 F-SN**

Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count	86,000	per gram	PASS	100,000
Total Yeast & Mold Count	100	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	400	per gram	PASS	1,000
Coliform	400	per gram	PASS	1,000
Enteropathogenic E.coli	Not Detected	per gram	PASS	Not Detected
Salmonella species	Not Detected	per gram	PASS	Not Detected

*** RECOMMENDED LIMITS: per American Herbal Pharmacopoeia (2013)**

PASS = Product meets Microbial and Fungal Recommended Limits per American Herbal Pharmacopoeia (2013)

METHODS: USP 2021, USP 2022, FDA-BAM, AOAC 996.09

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 01/27/2016

Approved By:
Alan C. Johnson, Laboratory Director

Report To:
Curaleaf LLC
Attn: Todd Levy
100 Grist Mill
Simsbury, CT 06070

E-Mail: todd@curaleaf.com

Date Received: **01/27/2017**
Date Tested: **02/06 – 02/07 2017**
Laboratory Report#: N1768750-01

Report Date: **02/07/2017**

Sample Site:	**CURALEAF** • **100 GRIST MILL RD, SIMSBURY CT**
Date Collected:	**01/27/2017 9:30** **Collected by: C. Appell of NELabs**
Laboratory ID #:	**1768750 – 01**
Product Description:	**1701005 F-SN**

HEAVY METALS:

Parameter	Result	Units		Limits
Arsenic, Total	<0.0005	µg/kg BW/day	PASS	<0.14
Cadmium, Total	<0.002	µg/kg BW/day	PASS	<0.09
Lead, Total	<0.002	µg/kg BW/day	PASS	<0.29
Mercury, Total	<0.005	µg/kg BW/day	PASS	<0.29

Daily Dose: **1 gram**
Body Weight: **50 kilograms**

METHODS: **USP <232> and <233> (Modified)**
AOAC 986.15, 935.50, 971.21
FCC 7, Appendix 3

LIMITS: per American Herbal Pharmacopoeia (2013)

PASS = Product meets Heavy Metals Recommended Limits per American Herbal Pharmacopoeia (2013)

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 01/27/2017

Approved By:
Alan C. Johnson, Laboratory Director

Report To:
Curaleaf LLC
Attn: Todd Levy
100 Grist Mill
Simsbury, CT 06070

E-Mail: todd@curaleaf.com

Date Received: **01/27/2017**
Date Tested: **01/31/2017**
Laboratory Report#: N1768750-01

Report Date: **02/07/2017**

Sample Site:	**CURALEAF** • **100 GRIST MILL RD, SIMSBURY CT**
Date Collected:	**01/27/2017 9:30 Collected by: C. Appell of NELabs**
Laboratory ID #:	**1768750 – 01**
Product Description:	**1701005 F-SN**

TERPENES (% Dry Weight)	**Result**	**Units**
a-pinene	---	%
b-pirene	---	%
b-myrcene	0.83	%
limonene	1.25	%
ocimene	---	%
linalool	---	%
b-caryophyllene	0.31	%
humulene	0.16	%

METHODS: **GC, GC/MS**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 01/27/2017

Approved By:
Alan C. Johnson, Laboratory Director

Report To:
Curaleaf LLC
Attn: Todd Levy
100 Grist Mill
Simsbury, CT 06070

E-Mail: todd@curaleaf.com

Date Received: **01/27/2017**
Date Tested: **02/07/2017**
Laboratory Report#: N1768750-01

Report Date: **02/07/2017**

Sample Site:	**CURALEAF** • **100 GRIST MILL RD, SIMSBURY CT**
Date Collected:	**01/27/2017 9:30** **Collected by: C. Appell of NELabs**
Laboratory ID #:	**1768750 – 01**
Product Description:	**1701005 F-SN**

PESTICIDES LC (MS/MS)

Parameter	Result	Units		Limits
Abamectin	<0.01	mg/kg	PASS	15
Acequinocyl	<0.01	mg/kg	PASS	14
Azadiractin	<0.01	mg/kg	PASS	60
Bifenazate	<0.01	mg/kg	PASS	6
Bifenthrin	<0.01	mg/kg	PASS	12
Chlormequat Chloride	<0.01	mg/kg	PASS	30
Cyfluthrin	<0.01	mg/kg	PASS	12
Daminozide	<0.01	mg/kg	PASS	270
Etoxazole	<0.01	mg/kg	PASS	24
Fenoxycarb	<0.01	mg/kg	PASS	32
Imazalil	<0.01	mg/kg	PASS	6
Imidacloprid	<0.01	mg/kg	PASS	36
Myclobutanil	<0.01	mg/kg	PASS	18
Paclobutrazol	<0.01	mg/kg	PASS	13
Pyrethrum	<0.01	mg/kg	PASS	3
Spinosad	<0.01	mg/kg	PASS	12
Spiromesifen	<0.01	mg/kg	PASS	15
Spirotetramat	<0.01	mg/kg	PASS	30
Trifloxystrobin	<0.01	mg/kg	PASS	60

LOQ = 1.0 µg/kg LOD = 0.1 µg/kg

METHODS: **LC – MS/MS (Restek Method)**
LIMITS: **per FAO - WHO**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 01/27/2017

Approved By:
Alan C. Johnson, Laboratory Director

Report To:
Curaleaf LLC
Attn: Todd Levy
100 Grist Mill
Simsbury, CT 06070

E-Mail: todd@curaleaf.com

Date Received: **01/27/2017**
Date Tested: **02/07/2017**
Laboratory Report#: N1768750-01

Report Date: **02/07/2017**

Sample Site:	**CURALEAF** • **100 GRIST MILL RD, SIMSBURY CT**
Date Collected:	**01/27/2017 9:30 Collected by: C. Appell of NELabs**
Laboratory ID #:	**1768750 – 01**
Product Description:	**1701005 F-SN**

MYCOTOXINS

Parameter	Result	Units		Limits
Method: USP 561-II				
Aflatoxin B1	<5	µg/kg	PASS	5
Aflatoxin B2	<5	µg/kg	PASS	5
Aflatoxin G1	<5	µg/kg	PASS	5
Aflatoxin G2	<5	µg/kg	PASS	5
Method: USP 561-II (Mod)				
Ochratoxin-A	<5	µg/kg	PASS	5

METHODS: **USP <561>**
Articles of Botanical Origin: Aflatoxins Method 2 (modified for Ochratoxin)

LIMITS: per American Herbal Pharmacopoeia (2013)

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 01/27/2017

Approved By:
Alan C. Johnson, Laboratory Director

Report To:
Curaleaf LLC
Attn: Todd Levy
100 Grist Mill
Simsbury, CT 06070

E-Mail: todd@curaleaf.com

Date Received: **01/27/2017**
Date Tested: **01/30/2017**
Laboratory Report#: N1768750-01

Report Date: **02/07/2017**

Sample Site:	**CURALEAF** • **100 GRIST MILL RD, SIMSBURY CT**
Date Collected:	**01/27/2017 9:30 Collected by: C. Appell of NELabs**
Laboratory ID #:	**1768750 – 01**
Product Description:	**1701005 F-SN**

CANNABINOIDS (% weight)	Result	Units
CBDV	----	% weight
CBDA	----	% weight
CBGA	0.47	% weight
CBG	0.26	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
THC	0.60	% weight
CBC	----	% weight
THCA	29.75	% weight

METHODS: **HPLC**

Comments:
- Results are based on an average of 6 samples (A-B-C-D-E-F) submitted to Northeast Laboratories, Inc. on: 01/27/2017

Approved By:
Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.com
Telephone: 860-828-9787 Toll Free (In State) 800-826-0105 (Out of State) 800-654-1230 Fax: 860-829-1050
CT Cert. #PH-0404 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #086650488 DEA Reg.: Federal #RN0281852 + CT #624