

**Report To:**

Curaleaf LLC

Attn: Greg Schaan

100 Grist Mill Rd.

Simsbury, CT 06070

Date Received: 11/30 & 12/05 2018

Date Tested: 12/01 & 12/06 2018

Laboratory Report#: **N1875843-02**E-Mail: greg@curaleaf.com

Report Date: 12/11/2018

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT
<u>Date Collected:</u>	11/30 & 12/05 2018 Collected by: C. Appell of NELabs
<u>Laboratory ID #:</u>	<u>1875843-02 / 1875908-01</u>
<u>Product Description:</u>	1811288F1 – JH

Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count (12/5 re-test)	11,000	per gram	PASS	100,000
Total Yeast & Mold Count (12/5 re-test)	6,700	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	<100	per gram	PASS	1,000
Coliform	<100	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 a sample submitted to Northeast Laboratories, Inc. on: 11/30 & 12/05 2018


Approved By: Alan C. Johnson, Laboratory Director

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Date Received: 11/30/2018

Date Tested: 12/10 -12/11 2018

Laboratory Report#: **N1875843-02**E-Mail: greg@curaleaf.com

Report Date: 12/11/2018

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	11/30/2018 10:30	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1875843-02</u>		
<u>Product Description:</u>	1811288F1 – JH		

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:**

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Date Tested: 12/01/2018

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<u>Date Collected:</u>	11/30/2018	10:30	Collected by: C. Appell of NELabs
<u>Laboratory ID #:</u>	<u>1875843-02</u>		
<u>Product Description:</u>	1811288F1 – JH		

TERPENES (% Dry Weight)	Result	Units
a-pinene	0.24	%
b-pinene	0.18	%
b-myrcene	0.34	%
limonene	0.05	%
ocimene	---	%
linalool	0.08	%
b-caryophyllene	0.12	%
humulene	0.12	%

METHODS: GC, GC/MS**Comments:**

- Results are based on a sample submitted to Northeast Laboratories, Inc. on: 11/30/2018


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Date Received: 11/30/2018
Date Tested: 11/30 -12/03 2018
Laboratory Report#: **N1875843-02**

E-Mail: greg@curaleaf.com

Report Date: 12/11/2018

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	11/30/2018	10:30	Collected by: C. Appell of NELabs
<u>Laboratory ID #:</u>	<u>1875843-02</u>		
<u>Product Description:</u>	1811288F1 – JH		

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:

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E-Mail: greg@curaleaf.com

Report Date: 12/11/2018

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	11/30/2018	10:30	Collected by: C. Appell of NELabs
<u>Laboratory ID #:</u>	<u>1875843-02</u>		
<u>Product Description:</u>	1811288F1 – JH		

MYCOTOXINS				
Parameter	Result	Units		Limits
<i>Method: USP 561-II</i>				
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
<i>Method: USP 561-II (Mod)</i>				
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:

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**Report To:**

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Date Received: 11/16/2018

Date Tested: 11/20/2018

Laboratory Report#: **N1875843-02**E-Mail: greg@curaleaf.com

Report Date: 12/11/2018

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	11/16/2018	11:00	Collected by: C. Appell of NELabs
<u>Laboratory ID #:</u>	<u>1875722-11</u>		
<u>Product Description:</u>	1811288F1 – JH		

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	----	% weight
CBGA	1.45	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
THC	0.72	% weight
CBC	----	% weight
THCA	28.04	% weight

METHODS: HPLC**Comments:**

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Approved By:

Alan C. Johnson, Laboratory Director