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Report To:
Curaleaf LLC
Attn: Greg Schaan
100 Grist Mill Rd.
Simsbury, CT 06070

Date Received: **01/17/2019**
Date Tested: **01/18/2019**
Laboratory Report#: **N1976334-03**

E-Mail: greg@curaleaf.com

Report Date: **02/01/2019**

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	01/17/2019 14:30	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1976334-03</u>		
<u>Product Description:</u>	190115B – FF		

Parameter	Result	Units	Recommended Limits *	
Total Aerobic Microbial Count	<100	per gram	PASS	100,000
Total Yeast & Mold Count	<100	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: 01/17/2019

Approved By:

Alan C. Johnson, Laboratory Director



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Date Received: **01/17/2019**
Date Tested: **01/21 – 1/25 2019**
Laboratory Report#: **N1976334-03**

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<u>Sample Site:</u>	CURALEAF		
	• 100 GRIST MILL RD, SIMSBURY CT		
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<u>Product Description:</u>	190115B – FF		

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)

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TERPENES (% Dry Weight)	Result	Units
a-pinene	0.18	%
b-pirene	0.30	%
b-myrcene	1.18	%
limonene	1.48	%
ocimene	2.03	%
linalool	2.35	%
b-caryophyllene	2.16	%
humulene	0.72	%

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

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Date Received: 01/17/2019

Date Tested: 01/26 – 1/29 2019

Laboratory Report#: **N1976334-03**E-Mail: greg@curaleaf.com

Report Date: 02/01/2019

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	01/17/2019	14:30	Collected by: C. Appell of NELabs
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<u>Product Description:</u>	190115B – FF		

PESTICIDES LC (MS/MS)				
Parameter	Result	Units		Limits
Abamectin	<0.1	mg/kg	PASS	15
Acequinocyl	<0.1	mg/kg	PASS	14
Azadiractin	<0.1	mg/kg	PASS	60
Bifenazate	<0.1	mg/kg	PASS	6
Bifenthrin	<0.1	mg/kg	PASS	12
Chlormequat Chloride	<0.1	mg/kg	PASS	30
Cyfluthrin	<0.1	mg/kg	PASS	12
Daminozide	<0.1	mg/kg	PASS	270
Etoxazole	<0.1	mg/kg	PASS	24
Fenoxycarb	<0.1	mg/kg	PASS	32
Imazalil	<0.1	mg/kg	PASS	6
Imidacloprid	<0.1	mg/kg	PASS	36
Myclobutanil	<0.1	mg/kg	PASS	18
Paclobutrazol	<0.1	mg/kg	PASS	13
Pyrethrum	<0.1	mg/kg	PASS	3
Spinosad	<0.1	mg/kg	PASS	12
Spiromesifen	<0.1	mg/kg	PASS	15
Spirotetramat	<0.1	mg/kg	PASS	30
Trifloxystrobin	<0.1	mg/kg	PASS	60

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

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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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CANNABINOIDS	% by Weight	Mg per 0.3 g of product	Mg per 0.5 g of product	Mg per 1 g of product
CBDV	----	----	----	----
CBDA	----	----	----	----
CBGA	0.65	1.95	3.25	6.50
CBG	----	----	----	----
CBD	----	----	----	----
THCV	----	----	----	----
CBN	----	----	----	----
THC	72.10	216.30	360.50	721.00
CBC	0.76	2.28	3.80	7.60
THCA	6.96	20.88	34.80	69.60

METHODS: HPLC**Comments:**

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