

**Report To:**

Curaleaf LLC

Attn: Greg Schaan

100 Grist Mill Rd.

Simsbury, CT 06070

Date Received: **09/14/2018**Date Tested: **09/15/2018**Laboratory Report#: **N1875115-09**E-Mail: greg@curaleaf.comReport Date: **09/21/2018**

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	09/14/2018	13:30	Collected by: C. Appell of NELabs
<u>Laboratory ID #:</u>	<u>1875115-09</u>		
<u>Product Description:</u>	1809256A – SN		

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: 09/14/2018

Approved By:

Alan C. Johnson, Laboratory Director

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Date Received: 09/14/2018

Date Tested: 09/17 – 09/20 2018

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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 Received: **09/14/2018**Date Tested: **09/19/2018**Laboratory Report#: **N1875115-09**E-Mail: greg@curaleaf.comReport Date: **09/21/2018**

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TERPENES (% Dry Weight)	Result	Units
a-pinene	---	%
b-pinene	0.23	%
b-myrcene	1.89	%
limonene	0.76	%
ocimene	---	%
linalool	0.95	%
b-caryophyllene	1.93	%
humulene	0.43	%

Density	0.98	g/ml
Residual Alcohol	1.30	%

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

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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
Etiozazole	<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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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 1 G of product	Mg per 0.3 g of product	Mg per 0.5 g of product
CBDV	----	----	----	----
CBDA	----	----	----	----
CBGA	----	----	----	----
CBG	1.12	11.20	3.36	5.60
CBD	----	----	----	----
THCV	0.26	2.60	0.78	1.30
CBN	----	----	----	----
THC	73.00	730.00	219.00	365.00
CBC	----	----	----	----
THCA	7.14	71.40	21.42	35.70

METHODS: HPLC**Comments:**

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