

**Report To:**

Curaleaf LLC

Attn: Victoria Gill

100 Grist Mill Rd.

Simsbury, CT 06070

Date Received: **12/06/2019**Date Tested: **12/06/2019**Laboratory Report#: **N1979749-01**E-Mail: tori@curaleaf.comReport Date: **12/13/2019**

<u>Sample Site:</u>	CURALEAF • 100 GRIST MILL RD, SIMSBURY CT		
<u>Date Collected:</u>	12/06/2019 12:30	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1979749-01</u>		
<u>Product Description:</u>	191204D – GS		

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: 12/06/2019

Approved By:

Alan C. Johnson, Laboratory Director

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Date Received: 12/06/2019

Date Tested: 12/10 – 12/12 /2019

Laboratory Report#: **N1979749-01**E-Mail: tori@curaleaf.com

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HEAVY METALS:

Parameter	Result	Units		Limits
Arsenic, Total	<0.0005	µg/kg BW/day	PASS	<0.14
Cadmium, Total	<0.007	µg/kg BW/day	PASS	<0.09
Lead, Total	<0.25	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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EXPANDED TERPENES (% Dry Weight)	Result	Units
a-pinene	---	%
camphene	---	%
b-pinene	---	%
b-myrcene	0.20	%
3-carene	---	%
a-terpinene	---	%
p-cymene	---	%
limonene	0.36	%
ocimene	---	%
y-terpinene	---	%
terpinolene	---	%
linalool	0.35	%
(-)-isopulegol	---	%
geraniol	---	%
b-caryophyllene	1.19	%
humulene	0.30	%
cis-nerolidol	---	%
trans-nerolidol	0.13	%
guaial	0.30	%
a-bisabolol	0.33	%

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

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Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.com

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CT Cert. #PH-0404 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #086650488 DEA Reg.: Federal #RN0281852 + CT #624

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<u>Product Description:</u>	191204D – GS		

PESTICIDES LC (MS/MS)				
Parameter	Result	Units		Limits
Bifenazate	<0.01	mg/kg	PASS	6
Bifenthrin	<0.01	mg/kg	PASS	12
Cyfluthrin	<0.01	mg/kg	PASS	12
Etoxazole	<0.01	mg/kg	PASS	24
Imazalil	<0.01	mg/kg	PASS	6
Imidacloprid	<0.01	mg/kg	PASS	36
Myclobutanil	<0.01	mg/kg	PASS	18
Pyrethrum	<0.01	mg/kg	PASS	3
Spiromesifen	<0.01	mg/kg	PASS	15
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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<u>CANNABINOIDS</u>	<u>% by Weight</u>	<u>Mg per 0.3 g</u>	<u>Mg per 0.5 g</u>	<u>Mg per 1 g</u>
CBDV	----	----	----	----
CBDA	----	----	----	----
CBGA	----	----	----	----
CBG	0.38	1.14	1.90	3.80
CBD	----	----	----	----
THCV	----	----	----	----
CBN	----	----	----	----
d9THC	88.13	264.39	440.65	881.30
CBC	0.82	2.46	4.10	8.20
THCA	----	----	----	----

METHODS: HPLC**Comments:**

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