

**Report To:**

ADVANCED GROW LABS

Attn: Elaine Loneragan

400 Frontage Rd

West Haven, CT 06516

Date Received: **08/22/2019**Date Tested: **08/22/2019**Laboratory Report#: **N1978631-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **09/04/2019**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	08/22/2019 11:13	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1978631-01</u>		
<u>Product Description:</u>	HC-F3H20-190819-O		

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
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 sample submitted to Northeast Laboratories, Inc. on: 08/22/2019

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

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Date Received: 08/22/2019

Date Tested: 08/26 – 08/29 2019

Laboratory Report#: N1978631-01E-Mail: elonergan@adancedgrowlabs.com

Report Date: 09/04/2019

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
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Laboratory ID #:	<u>1978631-01</u>		
Product Description:	HC-F3H20-190819-O		

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: **08/22/2019**Date Tested: **08/24 – 08/26 2019**Laboratory Report#: **N1978631-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **09/04/2019**

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<u>TERPENES</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
a-pinene	<0.1	%
b-pinene	0.17	%
b-myrcene	0.37	%
limonene	0.87	%
ocimene	<0.1	%
linalool	<0.1	%
b-caryophyllene	1.20	%
humulene	0.28	%
a-bisabolol	0.16	%

Residual Alcohol	<0.1	%
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METHODS: GC, GC/MS**Comments:**

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Date Received: **08/22/2019**Date Tested: **08/27 – 08/29 2019**Laboratory Report#: **N1978631-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **09/04/2019**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
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Laboratory ID #:	<u>1978631-01</u>		
Product Description:	HC-F3H20-190819-O		

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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Date Received: **08/22/2019**Date Tested: **08/22 – 08/28 2019**Laboratory Report#: **N1978631-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **09/04/2019**

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Product Description:	HC-F3H20-190819-O		

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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Product Description:	HC-F3H20-190819-O		

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
THCA	<0.1	% weight
THC	83.81	% weight
CBDA	<0.1	% weight
CBD	<0.1	% weight
CBGA	<0.1	% weight
CBG	1.80	% weight
CBN	1.50	% weight
CBC	1.34	% weight

METHODS: HPLC**Comments:**

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<u>Product Description:</u>	HC-F3H20-190819-O		

<u>CANNABINOIDS (mg per 300mg)</u>	<u>Result</u>	<u>Units</u>
THCA	<0.30	mg per 300mg
THC	251.43	mg per 300mg
CBDA	<0.30	mg per 300mg
CBD	<0.30	mg per 300mg
CBGA	<0.30	mg per 300mg
CBG	5.40	mg per 300mg
CBN	4.50	mg per 300mg
CBC	4.02	mg per 300mg

METHODS: HPLC**Comments:**

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<u>CANNABINOIDS (mg per 400mg)</u>	<u>Result</u>	<u>Units</u>
THCA	<0.40	mg per 400mg
THC	335.24	mg per 400mg
CBDA	<0.40	mg per 400mg
CBD	<0.40	mg per 400mg
CBGA	<0.40	mg per 400mg
CBG	7.20	mg per 400mg
CBN	6.00	mg per 400mg
CBC	5.36	mg per 400mg

METHODS: HPLC**Comments:**

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<u>CANNABINOIDS (mg per 500mg)</u>	<u>Result</u>	<u>Units</u>
THCA	<0.50	mg per 500mg
THC	419.05	mg per 500mg
CBDA	<0.50	mg per 500mg
CBD	<0.50	mg per 500mg
CBGA	<0.50	mg per 500mg
CBG	9.00	mg per 500mg
CBN	7.50	mg per 500mg
CBC	6.70	mg per 500mg

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<u>Product Description:</u>	HC-F3H20-190819-O		

<u>CANNABINOIDS (mg per 1,000mg)</u>	<u>Result</u>	<u>Units</u>
THCA	<1.00	mg per 1,000mg
THC	838.10	mg per 1,000mg
CBDA	<1.00	mg per 1,000mg
CBD	<1.00	mg per 1,000mg
CBGA	<1.00	mg per 1,000mg
CBG	18.00	mg per 1,000mg
CBN	15.00	mg per 1,000mg
CBC	13.40	mg per 1,000mg

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