

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **10/15/2019**Date Tested: **10/15/2019**Laboratory Report#: **N1979248-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **10/25/2019**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/15/2019 12:17	Collected by: E. Cybulski of NELabs	
<u>Laboratory ID #:</u>	<u>1979248-01</u>		
<u>Product Description:</u>	FP-F5H13-190923-O		

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 sample/s submitted to Northeast Laboratories, Inc. on: 10/15/2019

Approved By:

Alan C. Johnson, Laboratory Director

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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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TERPENES (% Dry Weight)	Result	Units
a-pinene	0.11	%
b-pinene	0.24	%
b-myrcene	0.77	%
limonene	1.17	%
ocimene	<0.1	%
linalool	1.01	%
b-caryophyllene	1.19	%
humulene	0.39	%
a-bisabolol	0.21	%

Residual Alcohol	0.13	%
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METHODS: GC, GC/MS**Comments:**

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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)

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<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
THCA	<0.1	% weight
THC	77.58	% weight
CBDA	<0.1	% weight
CBD	<0.1	% weight
CBGA	<0.1	% weight
CBG	1.13	% weight
CBN	1.23	% weight
CBC	0.97	% weight

METHODS: HPLC**Comments:**

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CANNABINOIDS (mg per 300mg)	Result	Units
THCA	<0.30	mg per 300mg
THC	232.74	mg per 300mg
CBDA	<0.30	mg per 300mg
CBD	<0.30	mg per 300mg
CBGA	<0.30	mg per 300mg
CBG	3.39	mg per 300mg
CBN	3.69	mg per 300mg
CBC	2.91	mg per 300mg

METHODS: HPLC

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CANNABINOIDS (mg per 420mg)	Result	Units
THCA	<0.42	mg per 420mg
THC	325.84	mg per 420mg
CBDA	<0.42	mg per 420mg
CBD	<0.42	mg per 420mg
CBGA	<0.42	mg per 420mg
CBG	4.75	mg per 420mg
CBN	5.17	mg per 420mg
CBC	4.07	mg per 420mg

METHODS: HPLC

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CANNABINOIDS (mg per 500mg)	Result	Units
THCA	<0.50	mg per 500mg
THC	387.90	mg per 500mg
CBDA	<0.50	mg per 500mg
CBD	<0.50	mg per 500mg
CBGA	<0.50	mg per 500mg
CBG	5.65	mg per 500mg
CBN	6.15	mg per 500mg
CBC	4.85	mg per 500mg

METHODS: HPLC

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CANNABINOIDS (mg per 1,000mg)	Result	Units
THCA	<1.00	mg per 1,000mg
THC	775.80	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	11.30	mg per 1,000mg
CBN	12.30	mg per 1,000mg
CBC	9.70	mg per 1,000mg

METHODS: HPLC

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