

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **09/06/2019**Date Tested: **09/06/2019**Laboratory Report#: **N1978806-05**E-Mail: elonergan@adancedgrowlabs.comReport Date: **09/16/2019**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
Date Collected:	09/06/2019 11:13	Collected by: W. Clark of NELabs	
Laboratory ID #:	1978806-05		
Product Description:	MM-F6H13-190903-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: 09/06/2019

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 09/06/2019****Date Tested: 09/10 – 09/13 2019****Laboratory Report#: N1978806-05****E-Mail: elonergan@adancedgrowlabs.com****Report Date: 09/16/2019**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
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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	0.10	%
b-pinene	0.10	%
b-myrcene	2.18	%
limonene	0.11	%
ocimene	0.53	%
linalool	0.56	%
b-caryophyllene	0.84	%
humulene	0.17	%
a-bisabolol	0.10	%

Residual Alcohol	0.17	%
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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)

LIMITS: per American Herbal Pharmacopoeia (2013)**Comments:**

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<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
THCA	<0.1	% weight
THC	83.08	% weight
CBDA	<0.1	% weight
CBD	<0.1	% weight
CBGA	<0.1	% weight
CBG	1.90	% weight
CBN	1.30	% weight
CBC	1.85	% weight

METHODS: HPLC**Comments:**

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CANNABINOIDS (mg per 300mg)	Result	Units
THCA	<0.30	mg per 300mg
THC	249.24	mg per 300mg
CBDA	<0.30	mg per 300mg
CBD	<0.30	mg per 300mg
CBGA	<0.30	mg per 300mg
CBG	5.70	mg per 300mg
CBN	3.90	mg per 300mg
CBC	5.55	mg per 300mg

METHODS: HPLC

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CANNABINOIDS (mg per 420mg)	Result	Units
THCA	<0.42	mg per 420mg
THC	348.94	mg per 420mg
CBDA	<0.42	mg per 420mg
CBD	<0.42	mg per 420mg
CBGA	<0.42	mg per 420mg
CBG	7.98	mg per 420mg
CBN	5.46	mg per 420mg
CBC	7.77	mg per 420mg

METHODS: HPLC

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CANNABINOIDS (mg per 500mg)	Result	Units
THCA	<0.50	mg per 500mg
THC	415.40	mg per 500mg
CBDA	<0.50	mg per 500mg
CBD	<0.50	mg per 500mg
CBGA	<0.50	mg per 500mg
CBG	9.50	mg per 500mg
CBN	6.50	mg per 500mg
CBC	9.25	mg per 500mg

METHODS: HPLC

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CANNABINOIDS (mg per 1,000mg)	Result	Units
THCA	<1.00	mg per 1,000mg
THC	830.80	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	19.00	mg per 1,000mg
CBN	13.00	mg per 1,000mg
CBC	18.50	mg per 1,000mg

METHODS: HPLC

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