

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin A VPen

300

NDC: 4035

Batch: AGL-TG-F3H12-171023-P
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 11/30/2017 Net Wt: 0.51 g
Expiration Date: 11/22/2018 0.02 oz

Testing Date: 11/22/2017

Flower Equivalence: 1.20 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

a-Pinene	< 0.01 %	Ocimene	< 0.01 %
B-Pinene	< 0.01 %	Linalool	0.42 %
B-Myrcene	0.08 %	B-Caryophyllene	0.70 %
Limonene	2.65 %	Humulene	0.39 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
0.93 mg	286.28 mg	< 0.52 mg	< 0.52 mg	0.93 mg	4.44 mg	1.19 mg	3.25 mg
0.18 %	60.55 %	< 0.1 %	< 0.1 %	0.18 %	0.86 %	0.23 %	0.63 %

Sativarin A VPen 300

NDC: 4035 Expiration: 11/22/18

See packaging for more info

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 11/20/2017****Date Tested: 11/22/2017****Laboratory Report#: N1772264-04****E-Mail: elonergan@adancedgrowlabs.com****Report Date: 11/29/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	11/20/2017 11:30 Collected by: W. Clark of NELabs
Laboratory ID #:	1772264-04
Product Description:	TG-F3H12-171023-P

TERPENES (% Dry Weight)	Result	Units
a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.08	%
limonene	2.65	%
ocimene	<0.01	%
linalool	0.42	%
b-caryophyllene	0.70	%
humulene	0.39	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/20/2017

Approved By:**Alan C. Johnson, Laboratory Director**

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Date Collected:	11/20/2017 11:30 Collected by: W. Clark of NELabs
Laboratory ID #:	1772264-04
Product Description:	TG-F3H12-171023-P

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	0.18	% weight
CBG	0.86	% weight
CBD	<0.1	% weight
CBN	0.23	% weight
THC	60.55	% weight
CBC	0.63	% weight
THCA	0.18	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/20/2017

Approved By:**Alan C. Johnson, Laboratory Director**

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<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	11/20/2017 11:30	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1772264-04</u>		
<u>Product Description:</u>	<u>TG-F3H12-171023-P</u>		

CANNABINOIDS (mg per 500mg)	Result	Units
CBDA	<0.50	mg per 500mg
CBGA	0.90	mg per 500mg
CBG	4.30	mg per 500mg
CBD	<0.50	mg per 500mg
CBN	1.15	mg per 500mg
THC	302.75	mg per 500mg
CBC	3.15	mg per 500mg
THCA	0.90	mg per 500mg

METHODS: HPLC**Comments:**

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Approved By: Alan C. Johnson, Laboratory Director

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<u>Laboratory ID #:</u>	<u>1772264-04</u>		
<u>Product Description:</u>	TG-F3H12-171023-P		

CANNABINOIDS (mg per 516 mg)	Result	Units
CBDA	<0.52	mg per 516mg
CBGA	0.93	mg per 516mg
CBG	4.44	mg per 516mg
CBD	<0.52	mg per 516mg
CBN	1.19	mg per 516mg
THC	286.28	mg per 516mg
CBC	3.25	mg per 516mg
THCA	0.93	mg per 516mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/20/2017


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<u>Date Collected:</u>	11/20/2017 11:30	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1772264-04</u>		
<u>Product Description:</u>	<u>TG-F3H12-171023-P</u>		

CANNABINOIDS (mg per 524 mg)	Result	Units
CBDA	<0.52	mg per 524mg
CBGA	0.94	mg per 524mg
CBG	4.51	mg per 524mg
CBD	<0.52	mg per 524mg
CBN	1.21	mg per 524mg
THC	290.72	mg per 524mg
CBC	3.30	mg per 524mg
THCA	0.94	mg per 524mg

METHODS: HPLC**Comments:**

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Date Collected:	11/20/2017 11:30 Collected by: W. Clark of NELabs
Laboratory ID #:	1772264-04
Product Description:	TG-F3H12-171023-P

CANNABINOIDS (mg per 1,000mg)	Result	Units
CBDA	<1.00	mg per 1,000mg
CBGA	1.80	mg per 1,000mg
CBG	8.60	mg per 1,000mg
CBD	<1.00	mg per 1,000mg
CBN	2.30	mg per 1,000mg
THC	554.80	mg per 1,000mg
CBC	6.30	mg per 1,000mg
THCA	1.80	mg per 1,000mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/20/2017


Approved By: Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **10/25/2017**Date Tested: **10/26/2017**Laboratory Report#: **N1771992-04****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **11/06/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	10/25/2017 11:07 Collected by: W. Clark of NELabs
Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-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: 10/25/2017

Approved By:

Alan C. Johnson, Laboratory Director

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<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	10/25/2017 11:07	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	1771992-04		
<u>Product Description:</u>	TG-F3H12-171023-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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Approved By:

Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **10/25/2017**Date Tested: **10/31 & 11/03 2017**Laboratory Report#: **N1771992-04****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **11/06/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	10/25/2017 11:07 Collected by: W. Clark of NELabs
Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-O

TERPENES
(% Dry Weight)

	Result	Units
a-pinene	0.08	%
b-pirene	<0.01	%
b-myrcene	0.50	%
limonene	0.23	%
ocimene	<0.01	%
linalool	0.92	%
b-caryophyllene	0.71	%
humulene	0.18	%

Residual Alcohol	0.05	%
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METHODS: GC, GC/MS**Comments:**

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Approved By:

Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516****Date Received: 10/25/2017****Date Tested: 11/02/2017****Laboratory Report#: N1771992-04****E-Mail: elonergan@adancedgrowlabs.com****Report Date: 11/06/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	10/25/2017 11:07 Collected by: W. Clark of NELabs
Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-O

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
Etoxazole	<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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/25/2017

Approved By:**Alan C. Johnson, Laboratory Director****Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.com**Telephone: 860-828-9787 Toll Free (In State) 800-826-0105 (Out of State) 800-654-1230 Fax: 860-829-1050
CT Cert. #PH-0404 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #086650488 CT CSL #0000624

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **10/25/2017**Date Tested: **11/03/2017**Laboratory Report#: **N1771992-04****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **11/06/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	10/25/2017 11:07 Collected by: W. Clark of NELabs
Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-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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Approved By:

Alan C. Johnson, Laboratory Director

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Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	10/25/2017 11:07 Collected by: W. Clark of NELabs
Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-O

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.1	% weight
CBGA	0.28	% weight
CBG	1.36	% weight
CBD	<0.1	% weight
CBN	0.34	% weight
THC	85.02	% weight
CBC	0.96	% weight
THCA	<0.1	% weight

METHODS: HPLC**Comments:**

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Date Collected:	10/25/2017 11:07 Collected by: W. Clark of NELabs
Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-O

CANNABINOIDS (mg per 500mg)	Result	Units
CBDA	<0.50	mg per 500mg
CBGA	1.40	mg per 500mg
CBG	6.80	mg per 500mg
CBD	<0.50	mg per 500mg
CBN	1.70	mg per 500mg
THC	425.10	mg per 500mg
CBC	4.80	mg per 500mg
THCA	<0.50	mg per 500mg

METHODS: HPLC**Comments:**

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<u>Product Description:</u>	TG-F3H12-171023-O		

CANNABINOIDS (mg per 516 mg)	Result	Units
CBDA	<0.52	mg per 516mg
CBGA	1.44	mg per 516mg
CBG	7.02	mg per 516mg
CBD	<0.52	mg per 516mg
CBN	1.75	mg per 516mg
THC	438.70	mg per 516mg
CBC	4.95	mg per 516mg
THCA	<0.52	mg per 516mg

METHODS: HPLC**Comments:**

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Laboratory ID #:	1771992-04
Product Description:	TG-F3H12-171023-O

<u>CANNABINOIDS (mg per 524 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.52	mg per 524mg
CBGA	1.47	mg per 524mg
CBG	7.13	mg per 524mg
CBD	<0.52	mg per 524mg
CBN	1.78	mg per 524mg
THC	445.50	mg per 524mg
CBC	5.03	mg per 524mg
THCA	<0.52	mg per 524mg

METHODS: HPLC**Comments:**

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<u>Product Description:</u>	<u>TG-F3H12-171023-O</u>		

CANNABINOIDS (mg per 1,000mg)	Result	Units
CBDA	<1.00	mg per 1,000mg
CBGA	2.80	mg per 1,000mg
CBG	13.60	mg per 1,000mg
CBD	<1.00	mg per 1,000mg
CBN	3.40	mg per 1,000mg
THC	850.20	mg per 1,000mg
CBC	9.60	mg per 1,000mg
THCA	<1.00	mg per 1,000mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/25/2017


Approved By: **Alan C. Johnson, Laboratory Director**

400 Frontage Road
250 VPen - 250
Batch:
Ingredients:
Polyethylene
53
Heavy Metals,
Terpene < 0.1 %
Alcohol 0.5 %
Caryophyllene 0.4 %
Limonene 0.2 %
Unit:
CBD-A 0.4 mg
0.1 %
CBD < 0.1 mg
< 0.1 %

Marin L 250 VPe
86 Expiration
for more info
CBG 3.4 %
THC 0.8 %