

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin D VPen
250
NDC: 3167

Batch: AQL-BD-F1H10-170322-OP
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 04/18/2017 Net Wt: 0.42 g
Expiration Date: 04/06/2018 0.01 oz
Testing Date: 04/06/2017
Flower Equivalence: 1.0 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

a-Pinene	< 0.01 %	Ocimene	< 0.01 %
B-Pinene	< 0.01 %	linalool	0.10 %
B-Myrcene	0.04 %	B-Caryophyllene	0.25 %
Limonene	< 0.01 %	Humulene	0.20 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.42 mg	258.30 mg	< 0.42 mg	< 0.42 mg	0.88 mg	2.56 mg	< 0.42 mg	2.31 mg
< 0.1 %	61.50 %	< 0.1 %	< 0.1 %	0.21 %	0.61 %	< 0.1 %	0.55 %

Sativarin D Vpen 250

NDC: 3167 Expiration: 4/6/18

See vial for more information

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516****Date Received: 4/05/2017****Date Tested: 4/06/2017****Laboratory Report#: N1769554-05****E-Mail: elonergan@adancedgrowlabs.com****Report Date: 04/17/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	04/05/2017 11:27 AM	Collected by: W. Clark of NELabs	
<u>Laboratory ID #:</u>	<u>1769554 – 05</u>		
<u>Product Description:</u>	BD-F1H10-170322-OP		

TERPENES**(% Dry Weight)**

	Result	Units
a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.04	%
limonene	<0.01	%
ocimene	<0.01	%
linalool	0.10	%
b-caryophyllene	0.25	%
humulene	0.20	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/05/2017

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

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Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	04/05/2017 11:27 AM Collected by: W. Clark of NELabs
Laboratory ID #:	1769554 – 05
Product Description:	BD-F1H10-170322-OP

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	0.21	% weight
CBG	0.61	% weight
CBD	<0.1	% weight
CBN	<0.1	% weight
THC	61.50	% weight
CBC	0.55	% weight
THCA	<0.1	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/05/2017


Approved By: Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **3/31/2017**Date Tested: **4/03/2017**Laboratory Report#: **N1769554-05****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **04/17/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	03/31/2017 13:00 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1769554 – 05</u>		
<u>Product Description:</u>	<u>BD-F1H10-170322-OP</u>		

<u>CANNABINOIDS (mg per 280 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.28	mg per 280mg
CBGA	0.59	mg per 280mg
CBG	1.71	mg per 280mg
CBD	<0.28	mg per 280mg
CBN	<0.28	mg per 280mg
THC	172.20	mg per 280mg
CBC	1.54	mg per 280mg
THCA	<0.28	mg per 280mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/05/2017


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>	03/31/2017 13:00 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769554 – 05		
<u>Product Description:</u>	BD-F1H10-170322-OP		

CANNABINOIDS (mg per 420 mg)	Result	Units
CBDA	<0.42	mg per 420mg
CBGA	0.88	mg per 420mg
CBG	2.56	mg per 420mg
CBD	<0.42	mg per 420mg
CBN	<0.42	mg per 420mg
THC	258.30	mg per 420mg
CBC	2.31	mg per 420mg
THCA	<0.42	mg per 420mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/05/2017


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<u>Date Collected:</u>	03/31/2017 13:00 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769554 – 05		
<u>Product Description:</u>	BD-F1H10-170322-OP		

CANNABINOIDS (mg per 530 mg)	Result	Units
CBDA	<0.53	mg per 530mg
CBGA	1.11	mg per 530mg
CBG	3.23	mg per 530mg
CBD	<0.53	mg per 530mg
CBN	<0.53	mg per 530mg
THC	325.95	mg per 530mg
CBC	2.92	mg per 530mg
THCA	<0.53	mg per 530mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/05/2017

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

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **3/24/2017**Date Tested: **3/24/2017**Laboratory Report#: **N1769403-04****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **04/01/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	03/24/2017 11:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769403 – 04		
<u>Product Description:</u>	BD-F1H10-170322-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: 03/24/2017

Approved By:

Alan C. Johnson, Laboratory Director

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<u>Laboratory ID #:</u>	1769403 – 04		
<u>Product Description:</u>	BD-F1H10-170322-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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<u>Date Collected:</u>	03/24/2017 11:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769403 – 04		
<u>Product Description:</u>	BD-F1H10-170322-O		

TERPENES**(% Dry Weight)****Result Units**

a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.95	%
limonene	<0.01	%
ocimene	<0.01	%
linalool	<0.01	%
b-caryophyllene	0.33	%
humulene	0.10	%

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: **3/24/2017**Date Tested: **3/31 & 4/01 2017**Laboratory Report#: **N1769403-04****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **04/01/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	03/24/2017 11:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769403 – 04		
<u>Product Description:</u>	BD-F1H10-170322-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:**

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<u>Date Collected:</u>	03/24/2017 11:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769403 – 04		
<u>Product Description:</u>	BD-F1H10-170322-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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<u>Laboratory ID #:</u>	1769403 – 04		
<u>Product Description:</u>	BD-F1H10-170322-O		

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.1	% weight
CBGA	0.47	% weight
CBG	0.86	% weight
CBD	<0.1	% weight
CBN	0.22	% weight
THC	85.39	% weight
CBC	0.79	% weight
THCA	<0.1	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/24/2017


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<u>Laboratory ID #:</u>	<u>1769403 – 04</u>		
<u>Product Description:</u>	<u>BD-F1H10-170322-O</u>		

<u>CANNABINOIDS (mg per 280 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.28	mg per 280mg
CBGA	1.32	mg per 280mg
CBG	2.41	mg per 280mg
CBD	<0.28	mg per 280mg
CBN	0.62	mg per 280mg
THC	239.09	mg per 280mg
CBC	2.21	mg per 280mg
THCA	<0.28	mg per 280mg

METHODS: HPLC**Comments:**

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Laboratory ID #:	1769403 – 04
Product Description:	BD-F1H10-170322-O

CANNABINOIDS (mg per 420 mg)	Result	Units
CBDA	<0.42	mg per 420mg
CBGA	1.97	mg per 420mg
CBG	3.61	mg per 420mg
CBD	<0.42	mg per 420mg
CBN	0.92	mg per 420mg
THC	358.64	mg per 420mg
CBC	3.32	mg per 420mg
THCA	<0.42	mg per 420mg

METHODS: HPLC**Comments:**

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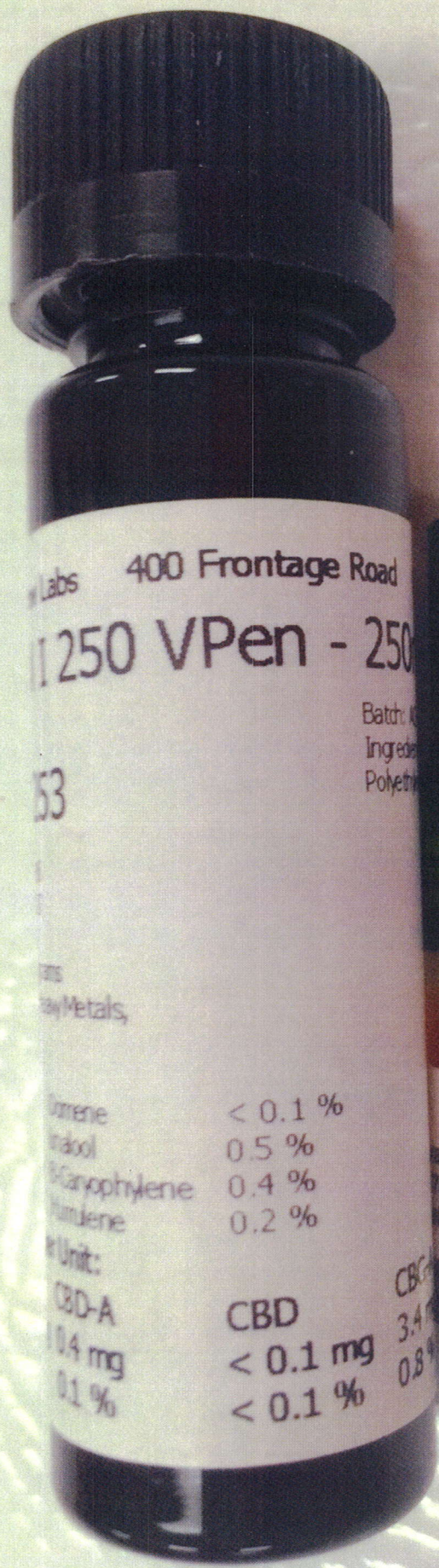
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Laboratory ID #:	1769403 – 04
Product Description:	BD-F1H10-170322-O

<u>CANNABINOIDS (mg per 530 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.53	mg per 530mg
CBGA	2.49	mg per 530mg
CBG	4.56	mg per 530mg
CBD	<0.53	mg per 530mg
CBN	1.17	mg per 530mg
THC	452.57	mg per 530mg
CBC	4.19	mg per 530mg
THCA	<0.53	mg per 530mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/24/2017


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



400 Frontage Road

Marin L 250 VPen - 250mg/mL

Batch: 00000000000000000000
Ingredients: Propylene Glycol, Glycerol, Cannabidiol, Terpenes

0.53

Heavy Metals:

Propylene Glycol	< 0.1 %
Glycerol	0.5 %
Cannabidiol	0.4 %
Terpenes	0.2 %

Unit:

CBD-A	CBD
0.4 mg	< 0.1 mg
0.1 %	< 0.1 %

CBD-A 3.4 mg
CBD 0.8 mg

Marin L 250 VPen
088 Expiration
for more info