

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin I VPen

250

NDC: 3176

Batch: AGL-CP-F1H10-170405-OP
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 05/01/2017 Net Wt: 0.42 g
Expiration Date: 04/20/2018 0.01 oz
Testing Date: 04/20/2017

Flower Equivalence: 1.06 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

α -Pinene	< 0.01 %	Ocimene	< 0.01 %
B-Pinene	< 0.01 %	Linalool	0.35 %
B-Myrcene	0.06 %	B-Caryophyllene	0.58 %
Limonene	< 0.01 %	Humulene	0.25 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
1.85 mg	263.89 mg	< 0.42 mg	0.42 mg	< 0.42 mg	3.19 mg	0.92 mg	2.18 mg
0.44 %	62.83 %	< 0.1 %	0.10 %	< 0.1 %	0.76 %	0.22 %	0.52 %

Sativarin I VPen 250

NDC: 3176 Expiration: 4/20/18

See packaging for more info

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **4/19/2017**Date Tested: **4/20/2017**Laboratory Report#: **N1769728-01****E-Mail: elonergan@advancedgrowlabs.com**Report Date: **04/28/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	04/19/2017 11:30 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769728 - 01
Product Description:	CP-F1H10-170405-OP

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

a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.06	%
limonene	<0.01	%
ocimene	<0.01	%
linalool	0.35	%
b-caryophyllene	0.58	%
humulene	0.25	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/19/2017

Approved By:

Alan C. Johnson, Laboratory Director

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<u>Laboratory ID #:</u>	1769728 – 01
<u>Product Description:</u>	CP-F1H10-170405-OP

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.1	% weight
CBGA	<0.1	% weight
CBG	0.76	% weight
CBD	0.10	% weight
CBN	0.22	% weight
THC	62.83	% weight
CBC	0.52	% weight
THCA	0.44	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/19/2017


Approved By: Alan C. Johnson, Laboratory Director

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<u>Date Collected:</u>	04/19/2017 11:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1769728 – 01</u>		
<u>Product Description:</u>	<u>CP-F1H10-170405-OP</u>		

CANNABINOIDS (mg per 280 mg)	Result	Units
CBDA	<0.28	mg per 280mg
CBGA	<0.28	mg per 280mg
CBG	2.13	mg per 280mg
CBD	0.28	mg per 280mg
CBN	0.62	mg per 280mg
THC	175.92	mg per 280mg
CBC	1.46	mg per 280mg
THCA	1.23	mg per 280mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/19/2017


Approved By:
Alan C. Johnson, Laboratory Director

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Laboratory ID #:	1769728 – 01
Product Description:	CP-F1H10-170405-OP

CANNABINOIDS (mg per 420 mg)	Result	Units
CBDA	<0.42	mg per 420mg
CBGA	<0.42	mg per 420mg
CBG	3.19	mg per 420mg
CBD	0.42	mg per 420mg
CBN	0.92	mg per 420mg
THC	263.89	mg per 420mg
CBC	2.18	mg per 420mg
THCA	1.85	mg per 420mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/19/2017


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

**Report To:**

ADVANCED GROW LABS

Attn: Elaine Lonergan

400 Frontage Rd

West Haven, CT 06516

Date Received: 4/19/2017

Date Tested: 4/20/2017

Laboratory Report#: **N1769728-01**E-Mail: elonergan@advancedgrowlabs.com

Report Date: 04/28/2017

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<u>Date Collected:</u>	04/19/2017 11:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769728 – 01		
<u>Product Description:</u>	CP-F1H10-170405-OP		

<u>CANNABINOIDS (mg per 530 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.53	mg per 530mg
CBGA	<0.53	mg per 530mg
CBG	4.03	mg per 530mg
CBD	0.53	mg per 530mg
CBN	1.17	mg per 530mg
THC	333.00	mg per 530mg
CBC	2.76	mg per 530mg
THCA	2.33	mg per 530mg

METHODS: HPLCComments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/19/2017


Approved By: Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **4/07/2017**Date Tested: **4/07/2017**Laboratory Report#: **N1769587-01**E-Mail: elonergan@advancedgrowlabs.comReport Date: **04/21/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	04/07/2017 10:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1769587 – 01</u>		
<u>Product Description:</u>	CP-F1H10-170405-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: 04/07/2017

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

ADVANCED GROW LABS

Attn: Elaine Lonergan

400 Frontage Rd

West Haven, CT 06516

Date Received: 4/07/2017

Date Tested: 4/20 – 4/21 2017

Laboratory Report#: N1769587-01E-Mail: elonergan@advancedgrowlabs.com

Report Date: 04/21/2017

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<u>Date Collected:</u>	04/07/2017 10:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1769587 – 01</u>		
<u>Product Description:</u>	CP-F1H10-170405-O		

HEAVY METALS:

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Limits</u>
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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/07/2017

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **4/07/2017**Date Tested: **4/11 & 4/17 2017**Laboratory Report#: **N1769587-01**E-Mail: elonergan@advancedgrowlabs.comReport Date: **04/21/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	04/07/2017 10:30 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769587 – 01
Product Description:	CP-F1H10-170405-O

TERPENES (% Dry Weight)	Result	Units
a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.42	%
limonene	0.08	%
ocimene	<0.01	%
linalool	0.78	%
b-caryophyllene	0.87	%
humulene	0.50	%

Residual Alcohol	0.11	%
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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 Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **4/07/2017**Date Tested: **4/12/2017**Laboratory Report#: **N1769587-01****E-Mail:** elonergan@advancedgrowlabs.comReport Date: **04/21/2017**

<u>Sample Site:</u>	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT		
<u>Date Collected:</u>	04/07/2017 10:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1769587 – 01</u>		
<u>Product Description:</u>	<u>CP-F1H10-170405-O</u>		

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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Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

ADVANCED GROW LABS

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400 Frontage Rd

West Haven, CT 06516

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<u>Laboratory ID #:</u>	<u>1769587 – 01</u>
<u>Product Description:</u>	<u>CP-F1H10-170405-O</u>

MYCOTOXINS				
Parameter	Result	Units		Limits
<u>Method: USP 561-II</u>				
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
<u>Method: USP 561-II (Mod)</u>				
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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Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	04/07/2017 10:30 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769587 – 01
Product Description:	CP-F1H10-170405-O

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	<0.1	% weight
CBG	0.98	% weight
CBD	<0.1	% weight
CBN	0.28	% weight
THC	81.28	% weight
CBC	0.69	% weight
THCA	<0.1	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/07/2017


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

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<u>Laboratory ID #:</u>	<u>1769587 – 01</u>		
<u>Product Description:</u>	<u>CP-F1H10-170405-O</u>		

CANNABINOIDS (mg per 280 mg)	Result	Units
CBDA	<0.28	mg per 280mg
CBGA	<0.28	mg per 280mg
CBG	2.74	mg per 280mg
CBD	<0.28	mg per 280mg
CBN	0.78	mg per 280mg
THC	227.58	mg per 280mg
CBC	1.93	mg per 280mg
THCA	<0.28	mg per 280mg

METHODS: HPLC**Comments:**

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Approved By: Alan C. Johnson, Laboratory Director

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Laboratory ID #:	1769587 – 01
Product Description:	CP-F1H10-170405-O

<u>CANNABINOIDS (mg per 420 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.42	mg per 420mg
CBGA	<0.42	mg per 420mg
CBG	4.12	mg per 420mg
CBD	<0.42	mg per 420mg
CBN	1.18	mg per 420mg
THC	341.38	mg per 420mg
CBC	2.90	mg per 420mg
THCA	<0.42	mg per 420mg

METHODS: HPLC**Comments:**

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

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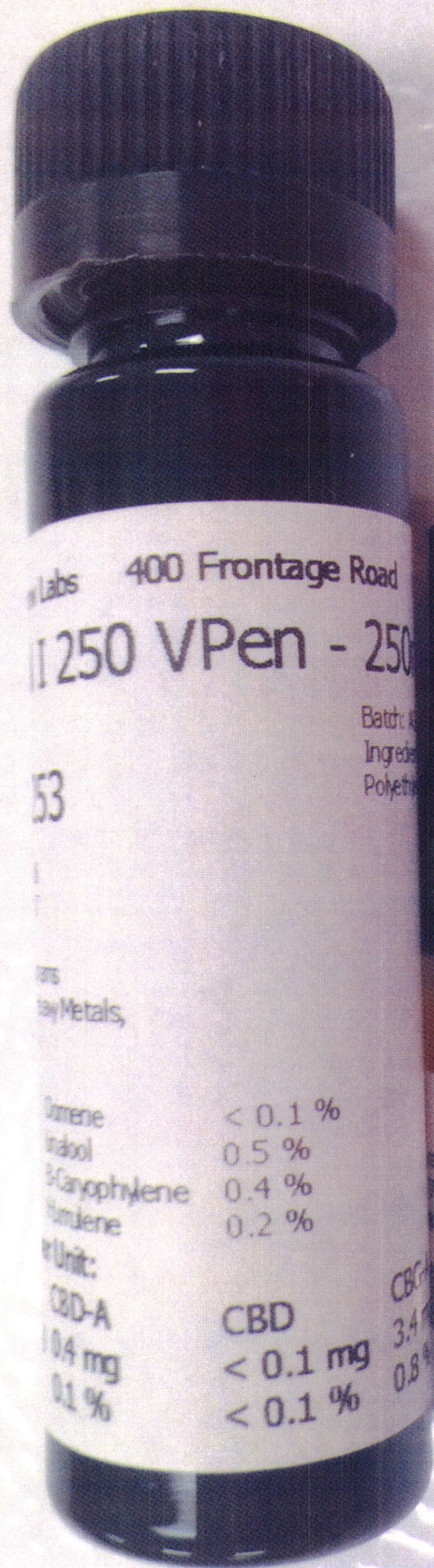
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Product Description:	CP-F1H10-170405-O

<u>CANNABINOIDS (mg per 530 mg)</u>	<u>Result</u>	<u>Units</u>
CBDA	<0.53	mg per 530mg
CBGA	<0.53	mg per 530mg
CBG	5.19	mg per 530mg
CBD	<0.53	mg per 530mg
CBN	1.48	mg per 530mg
THC	430.78	mg per 530mg
CBC	3.66	mg per 530mg
THCA	<0.53	mg per 530mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/07/2017


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



400 Frontage Road

Marin L 250 VPen - 250mg/mL

Batch: A
Ingredients
Polyethylene

53

Heavy Metals,

Terpene	< 0.1 %
Linalool	0.5 %
B-Caryophyllene	0.4 %
Humulene	0.2 %

per Unit:

CBD-A
0.4 mg
0.1 %

CBD
< 0.1 mg
< 0.1 %

CBD-A
3.4 mg
0.8 %

Marin L 250 VPen
08/2018 Expiration
for more info