

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Sativarin K VPen
250
NDC: 3171

Batch: AGL-CT-F1H10-170329-OP
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 04/21/2017 Net Wt: 0.42 g
Expiration Date: 04/11/2018 0.01 oz
Testing Date: 04/11/2017
Flower Equivalence: 1.00 grams
Microbiology, Mycotoxins, Heavy Metals,
Pesticides - ALL PASS

Contains Terpenes:

a-Pinene	< 0.01 %	Odorless	< 0.01 %
B-Pinene	< 0.01 %	Linalool	0.47 %
B-Myrcene	0.03 %	B-Caryophyllene	0.83 %
Limonene	0.12 %	Humulene	0.58 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
< 0.42 mg	256.07 mg	< 0.42 mg	< 0.42 mg	0.55 mg	1.47 mg	0.76 mg	4.07 mg
< 0.1 %	60.97 %	< 0.1 %	< 0.1 %	0.13 %	0.35 %	0.18 %	0.97 %

Sativarin K VPen 250

NDC: 3171 Expiration: 4/11/18

See packaging for more info

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **4/07/2017**Date Tested: **4/11 & 4/17 2017**Laboratory Report#: **N1769587-02**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 – 02
Product Description:	CT-F1H10-170329-OP

TERPENES
(% Dry Weight)

	Result	Units
a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.03	%
limonene	0.12	%
ocimene	<0.01	%
linalool	0.47	%
b-caryophyllene	0.83	%
humulene	0.58	%

METHODS: GC, GC/MS**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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Date Collected:	04/07/2017 10:30 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769587 – 02
Product Description:	CT-F1H10-170329-OP

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	0.13	% weight
CBG	0.35	% weight
CBD	<0.1	% weight
CBN	0.18	% weight
THC	60.97	% weight
CBC	0.97	% 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**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **4/07/2017**Date Tested: **4/11/2017**Laboratory Report#: **N1769587-02**E-Mail: elonergan@advancedgrowlabs.comReport Date: **04/21/2017**

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Date Collected:	04/07/2017 10:30 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769587 – 02
Product Description:	CT-F1H10-170329-OP

CANNABINOIDS (mg per 280 mg)	Result	Units
CBDA	<0.28	mg per 280mg
CBGA	0.36	mg per 280mg
CBG	0.98	mg per 280mg
CBD	<0.28	mg per 280mg
CBN	0.50	mg per 280mg
THC	170.72	mg per 280mg
CBC	2.72	mg per 280mg
THCA	<0.28	mg per 280mg

METHODS: HPLC**Comments:**

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


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

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Date Collected:	04/07/2017 10:30 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769587 – 02
Product Description:	CT-F1H10-170329-OP

CANNABINOIDS (mg per 420 mg)	Result	Units
CBDA	<0.42	mg per 420mg
CBGA	0.55	mg per 420mg
CBG	1.47	mg per 420mg
CBD	<0.42	mg per 420mg
CBN	0.76	mg per 420mg
THC	256.07	mg per 420mg
CBC	4.07	mg per 420mg
THCA	<0.42	mg per 420mg

METHODS: HPLC**Comments:**

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

Approved By:

Alan C. Johnson, Laboratory Director

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<u>Date Collected:</u>	04/07/2017 10:30 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	1769587 – 02		
<u>Product Description:</u>	CT-F1H10-170329-OP		

CANNABINOIDS (mg per 530 mg)	Result	Units
CBDA	<0.53	mg per 530mg
CBGA	0.69	mg per 530mg
CBG	1.86	mg per 530mg
CBD	<0.53	mg per 530mg
CBN	0.95	mg per 530mg
THC	323.14	mg per 530mg
CBC	5.14	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**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **3/31/2017**Date Tested: **3/31/2017**Laboratory Report#: **N1769500-01****E-Mail:** elonergan@adancedgrowlabs.comReport Date: **04/14/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-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: 03/31/2017

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: **4/04 – 4/05 2017**Laboratory Report#: **N1769500-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **04/14/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-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:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/31/2017

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#: **N1769500-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **04/14/2017**

Sample Site:	ADVANCED GROW LABS • 400 FRONTAGE RD., WEST HAVEN CT
Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-O

TERPENES (% Dry Weight)	Result	Units
a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	0.75	%
limonene	0.10	%
ocimene	<0.01	%
linalool	<0.01	%
b-caryophyllene	1.83	%
humulene	0.91	%

Residual Alcohol	0.10	%
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METHODS: GC, GC/MS**Comments:**

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**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **3/31/2017**Date Tested: **4/12/2017**Laboratory Report#: **N1769500-01****E-Mail:** eloneragan@adancedgrowlabs.comReport Date: **04/14/2017**

<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>1769500 – 01</u>		
<u>Product Description:</u>	CT-F1H10-170329-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: 03/31/2017

Approved By:

Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.comTelephone: 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: **3/31/2017**Date Tested: **4/04/2017**Laboratory Report#: **N1769500-01**E-Mail: elonergan@adancedgrowlabs.comReport Date: **04/14/2017**

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<u>Date Collected:</u>	03/31/2017 13:00 AM	Collected by: C. Appell of NELabs	
<u>Laboratory ID #:</u>	<u>1769500 – 01</u>		
<u>Product Description:</u>	CT-F1H10-170329-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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Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-O

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	0.17	% weight
CBG	0.52	% weight
CBD	<0.1	% weight
CBN	0.25	% weight
THC	85.67	% weight
CBC	1.55	% weight
THCA	<0.1	% weight

METHODS: HPLC**Comments:**

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Alan C. Johnson, Laboratory Director

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Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-O

CANNABINOIDS (mg per 280 mg)	Result	Units
CBDA	<0.28	mg per 280mg
CBGA	0.48	mg per 280mg
CBG	1.46	mg per 280mg
CBD	<0.28	mg per 280mg
CBN	0.70	mg per 280mg
THC	239.88	mg per 280mg
CBC	4.34	mg per 280mg
THCA	<0.28	mg per 280mg

METHODS: HPLC**Comments:**

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Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-O

CANNABINOIDS (mg per 420 mg)	Result	Units
CBDA	<0.42	mg per 420mg
CBGA	0.71	mg per 420mg
CBG	2.18	mg per 420mg
CBD	<0.42	mg per 420mg
CBN	1.05	mg per 420mg
THC	359.81	mg per 420mg
CBC	6.51	mg per 420mg
THCA	<0.42	mg per 420mg

METHODS: HPLC**Comments:**

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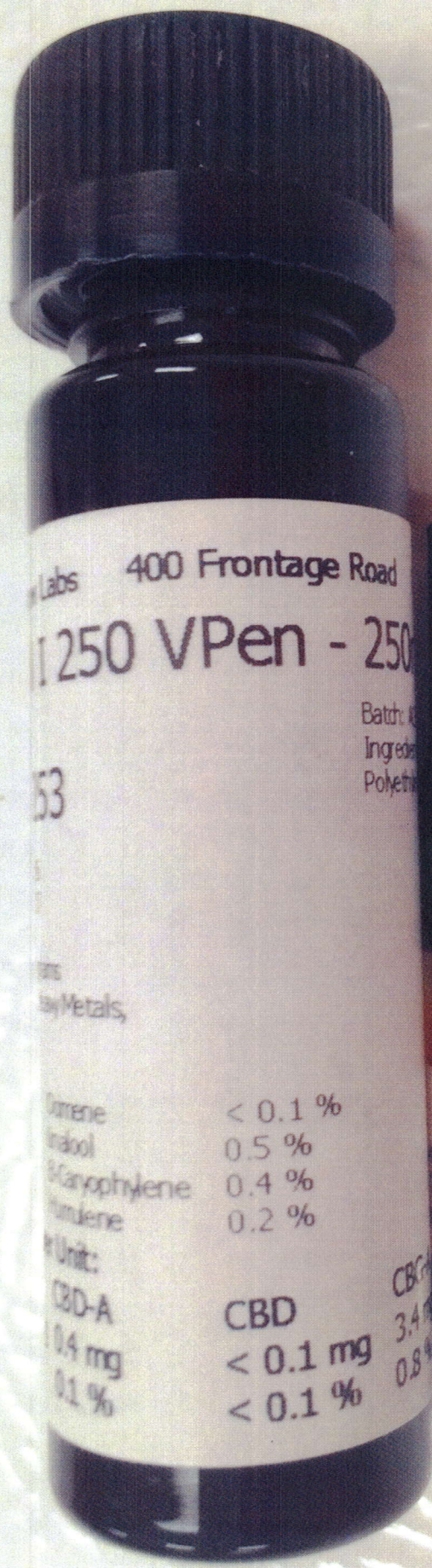
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Date Collected:	03/31/2017 13:00 AM Collected by: C. Appell of NELabs
Laboratory ID #:	1769500 – 01
Product Description:	CT-F1H10-170329-O

CANNABINOIDS (mg per 530 mg)	Result	Units
CBDA	<0.53	mg per 530mg
CBGA	0.90	mg per 530mg
CBG	2.76	mg per 530mg
CBD	<0.53	mg per 530mg
CBN	1.33	mg per 530mg
THC	545.05	mg per 530mg
CBC	8.22	mg per 530mg
THCA	<0.53	mg per 530mg

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/31/2017


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



Labs 400 Frontage Road
I 250 VPen - 250

Batch:
Ingredie
Polyeth

53

ay Metals,

Terpene	< 0.1 %
Indanol	0.5 %
8-Caryophyllene	0.4 %
Humulene	0.2 %

Unit:

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



arin L 250 VPe
86 Expiration
for more info

CBD
3.4
0.8