Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

Hybridol A VPen 250 NDC: 3133

Batch: AGL-GSC-F3H9-170221-OP
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 03/27/2017 Net Wt: 0.42 g
Expiration Date: 03/15/2018 0.01 oz
Testing Date: 03/15/2017
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	0.27 %
B-Myrcene	< 0.01 %	B-Caryophylene	0.38 %
Limonene	< 0.01 %	Humulene	0.30 %

Cannabinoid Content per Unit:

THC-A	THC	CBD-A	CBD	CBG-A	CBG	CBN	CBC
1.34 mg	252.42 mg	< 0.42 mg	< 0.42 mg	2.52 mg	6.51 mg	1.13 mg	2.56 mg
0.32 %	60.10 %	< 0.1 %	< 0.1 %	0.60 %	1.55 %	0.27 %	0.61 %

Hybridol A VPen 250
NDC#3133 Expiration: 3/15/18
See vial for more information

Analytical Report

Report To:
ADVANCED GROW LABS
Attn: Elaine Lonergan
400 Frontage Rd
West Haven, CT 06516

E-Mail: elonergan@adancedgrowlabs.com

Date Received: **3/13/2017**
Date Tested: **3/15/2017**
Laboratory Report#: **N1769267-02**

Report Date: **03/25/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**03/13/2017 12:00 PM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769267 – 01**
Product Description:	**GSC-F3H9-170221-OP**

TERPENES (% Dry Weight)	Result	Units
a-pinene	<0.01	%
b-pirene	<0.01	%
b-myrcene	<0.01	%
limonene	<0.01	%
ocimene	<0.01	%
linalool	0.27	%
b-caryophyllene	0.38	%
humulene	0.30	%

METHODS: **GC, GC/MS**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/13/2017

Approved By: Alan C. Johnson, Laboratory Director

Report To:
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Attn: Elaine Lonergan
400 Frontage Rd
West Haven, CT 06516

E-Mail: elonergan@adancedgrowlabs.com

Date Received: **3/13/2017**
Date Tested: **3/15/2017**
Laboratory Report#: **N1769267-01**

Report Date: **03/25/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**03/13/2017 12:00 PM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769267 – 01**
Product Description:	**GSC-F3H9-170221-OP**

CANNABINOIDS (% weight)	Result	Units
CBDA	<0.1	% weight
CBGA	0.60	% weight
CBG	1.55	% weight
CBD	<0.1	% weight
CBN	0.27	% weight
THC	60.10	% weight
CBC	0.61	% weight
THCA	0.32	% weight

METHODS: **HPLC**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/13/2017

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

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Attn: Elaine Lonergan
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Date Received: **3/13/2017**
Date Tested: **3/15/2017**
Laboratory Report#: **N1769267-01**

E-Mail: elonergan@adancedgrowlabs.com

Report Date: **03/25/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**03/13/2017 12:00 PM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769267 – 01**
Product Description:	**GSC-F3H9-170221-OP**

CANNABINOIDS (mg per 280 mg)	Result	Units
CBDA	<0.28	mg per 280mg
CBGA	1.68	mg per 280mg
CBG	4.34	mg per 280mg
CBD	<0.28	mg per 280mg
CBN	0.76	mg per 280mg
THC	168.28	mg per 280mg
CBC	1.71	mg per 280mg
THCA	0.90	mg per 280mg

METHODS: **HPLC**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/13/2017

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

Analytical Report

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Date Received: **3/13/2017**
Date Tested: **3/15/2017**
Laboratory Report#: **N1769267-01**

Report Date: **03/25/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**03/13/2017 12:00 PM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769267 – 01**
Product Description:	**GSC-F3H9-170221-OP**

CANNABINOIDS (mg per 420 mg)	Result	Units
CBDA	<0.42	mg per 420mg
CBGA	2.52	mg per 420mg
CBG	6.51	mg per 420mg
CBD	<0.42	mg per 420mg
CBN	1.13	mg per 420mg
THC	252.42	mg per 420mg
CBC	2.56	mg per 420mg
THCA	1.34	mg per 420mg

METHODS: **HPLC**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/13/2017

Approved By:
Alan C. Johnson, Laboratory Director

Analytical Report

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Date Tested: **3/15/2017**
Laboratory Report#: **N1769267-01**

Report Date: **03/25/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**03/13/2017 12:00 PM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769267 – 01**
Product Description:	**GSC-F3H9-170221-OP**

CANNABINOIDS (mg per 530 mg)	Result	Units
CBDA	<0.53	mg per 530mg
CBGA	3.18	mg per 530mg
CBG	8.22	mg per 530mg
CBD	<0.53	mg per 530mg
CBN	1.43	mg per 530mg
THC	318.53	mg per 530mg
CBC	3.23	mg per 530mg
THCA	1.70	mg per 530mg

METHODS: **HPLC**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 03/13/2017

Approved By:
Alan C. Johnson, Laboratory Director

Analytical Report

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E-Mail: elonergan@adancedgrowlabs.com

Date Received: **02/24/2017**
Date Tested: **02/24/2017**
Laboratory Report#: **N1769073-01**

Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-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: 02/24/2017

Approved By:
Alan C. Johnson, Laboratory Director

Report To:
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Attn: Elaine Lonergan
400 Frontage Rd
West Haven, CT 06516

E-Mail: elonergan@adancedgrowlabs.com

Date Received: **02/24/2017**
Date Tested: **03/02 – 03/03 2017**
Laboratory Report#: **N1769073-01**

Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-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: 02/24/2017

Approved By:
Alan C. Johnson, Laboratory Director

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Date Received: **02/24/2017**
Date Tested: **02/27/2017**
Laboratory Report#: **N1769073-01**

Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-O**

TERPENES (% Dry Weight)	**Result**	**Units**
a-pinene	---	%
b-pirene	---	%
b-myrcene	---	%
limonene	0.34	%
ocimene	---	%
linalool	---	%
b-caryophyllene	1.00	%
humulene	0.72	%

Residual Alcohol	0.24	%

METHODS: **GC, GC/MS**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 02/24/2017

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

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Date Received: **02/24/2017**
Date Tested: **03/02/2017**
Laboratory Report#: **N1769073-01**

Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-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: 02/24/2017

Approved By:
Alan C. Johnson, Laboratory Director

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Date Received: **02/24/2017**
Date Tested: **02/27/2017**
Laboratory Report#: **N1769073-01**

E-Mail: elonergan@adancedgrowlabs.com

Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-O**

MYCOTOXINS

Parameter	Result	Units		Limits
Method: USP 561-II				
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
Method: USP 561-II (Mod)				
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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Alan C. Johnson, Laboratory Director

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Date Received: **02/24/2017**
Date Tested: **02/27/2017**
Laboratory Report#: **N1769073-01**

Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-O**

CANNABINOIDS (% weight)	Result	Units
CBDV	<0.1	% weight
CBDA	<0.1	% weight
CBGA	0.58	% weight
CBG	2.17	% weight
CBD	0.16	% weight
THCV	0.28	% weight
CBN	0.38	% weight
THC	83.40	% weight
CBC	0.86	% weight
THCA	0.47	% weight

METHODS: **HPLC**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 02/24/2017

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

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Report Date: **03/06/2017**

Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-O**

CANNABINOIDS (mg per 280mg)	Result	Units
CBDV	<0.28	mg per 280mg
CBDA	<0.28	mg per 280mg
CBGA	1.62	mg per 280mg
CBG	6.08	mg per 280mg
CBD	0.45	mg per 280mg
THCV	0.78	mg per 280mg
CBN	1.06	mg per 280mg
THC	233.52	mg per 280mg
CBC	2.41	mg per 280mg
THCA	1.32	mg per 280mg

METHODS: **HPLC**

Comments:
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Alan C. Johnson, Laboratory Director

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Sample Site:	**ADVANCED GROW LABS** • **400 FRONTAGE RD., WEST HAVEN CT**
Date Collected:	**02/24/2017 10:45 AM Collected by: C. Appell of NELabs**
Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-O**

CANNABINOIDS (mg per 420mg)	Result	Units
CBDV	<0.42	mg per 420mg
CBDA	<0.42	mg per 420mg
CBGA	2.44	mg per 420mg
CBG	9.11	mg per 420mg
CBD	0.67	mg per 420mg
THCV	1.18	mg per 420mg
CBN	1.60	mg per 420mg
THC	350.28	mg per 420mg
CBC	3.61	mg per 420mg
THCA	1.97	mg per 420mg

METHODS: **HPLC**

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

Analytical Report

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Report Date: **03/06/2017**

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Laboratory ID #:	**1769073 – 01**
Product Description:	**GSC-F3H9-170222-O**

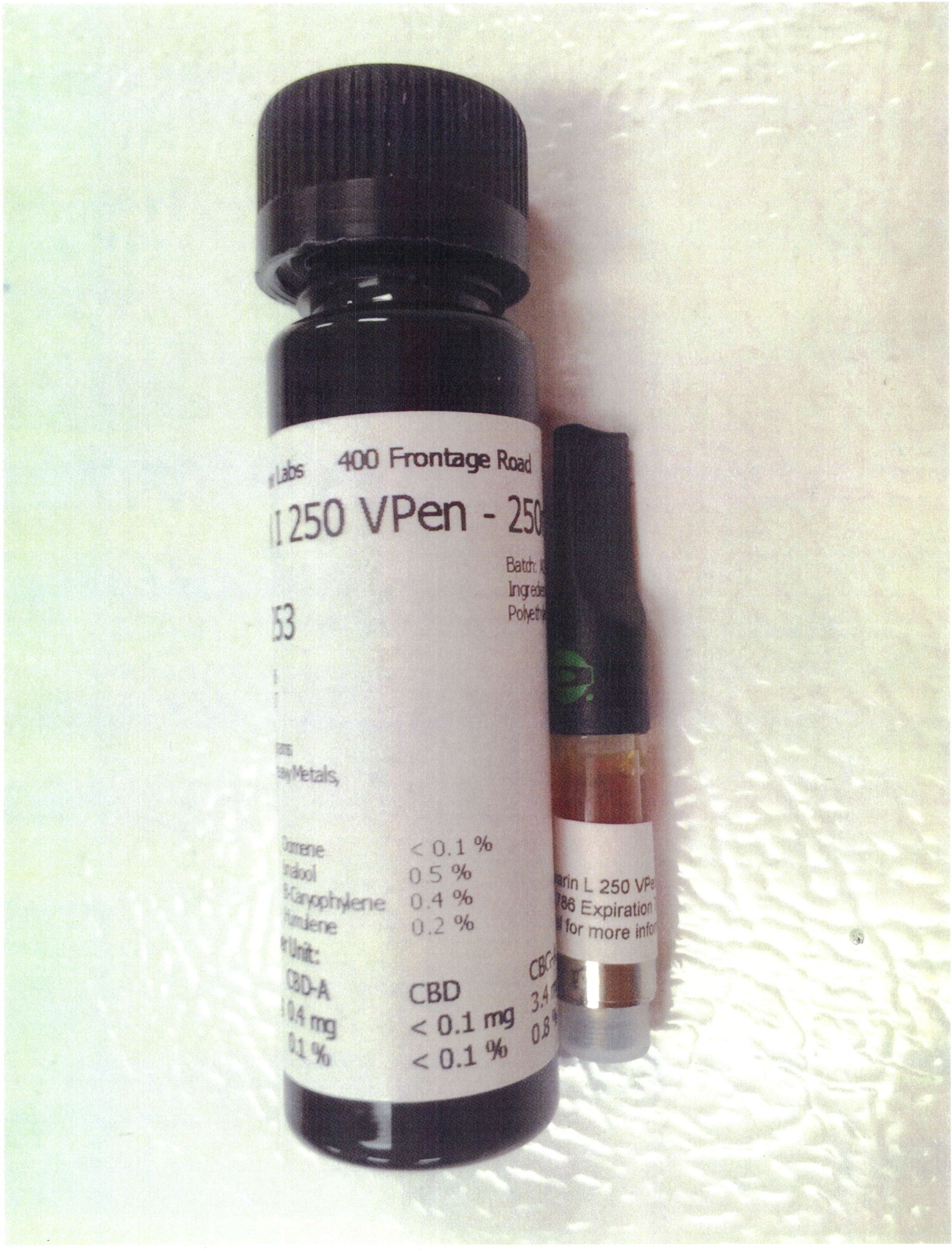
CANNABINOIDS (mg per 530mg)	Result	Units
CBDV	<0.53	mg per 530mg
CBDA	<0.53	mg per 530mg
CBGA	3.07	mg per 530mg
CBG	11.50	mg per 530mg
CBD	0.85	mg per 530mg
THCV	1.48	mg per 530mg
CBN	2.01	mg per 530mg
THC	442.02	mg per 530mg
CBC	4.56	mg per 530mg
THCA	2.49	mg per 530mg

METHODS: **HPLC**

Comments:
- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 02/24/2017

Approved By: Alan C. Johnson

Alan C. Johnson, Laboratory Director


400 Frontage Road
250 VPen - 250
< 0.1 %
0.5 %
0.4 %
0.2 %
CBD-A
0.4 mg
0.1 %
CBD
< 0.1 mg
< 0.1 %