

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese,Mark June-Wells & Kim Provera

47 Lower Main St

Portland CT 06480

Date Received: 1/27/2016

Date Tested: 1/28/2016

Laboratory Report#: N1664994-05

Report Date: 2/03/2016

★ Report Update: 4/21/2016 = see Page #3 and Page #6 for updated Terpene and Potency results (per NEL#N1665660-11)

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★ = per Mark June-Wells 4/13/2016 email instructions: Terpene results (page #3) and Cannabinoid results (page #6) are updated per NELabs' test results on #C0062, NELabs' sample #N16655660-11, as received 4/06/2016, tested 4/07/2016 and 4/13/2016, and 1st emailed by Courtney Appell on 4/07/2016 and 4/13/2016.

★ = per Mark June-Wells 4/13/2016 email instructions: OC0036 is a tracking change from #LMS 092515/092115 with Terpene and Cannabinoid results as noted above on #CO0062.

and sampling results as noted above on #OC0002.			
<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	1/27/2016 14:20	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1664994 - 05</u>		
<u>Product Description:</u>	<u>OC0036</u>		

Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count	4,600	per gram	PASS	100,000
Total Yeast & Mold Count	700	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: 1/27/2016

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 DEA Reg.: Federal #RN0281852 + CT #624

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Date Received: 1/27/2016

Date Tested: 2/01 to 2/02/2016
Laboratory Report#: N1664994-05Updated Report 4/21/2016
Date:

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<u>Laboratory ID #:</u>	1664994 – 05		
<u>Product Description:</u>	OC0036		

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:

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Date Tested: 2/02/2016

Laboratory Report#: N1664994-05

Updated Report 4/21/2016

Date:

★Report Update: 4/21/2016 =

Potency Results below

= Updated per

NEL Rpt.# N1665660-11

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<u>Date Collected:</u>	1/27/2016 14:20	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1664994 - 05</u> <u>OC0036★</u>		
<u>Product Description:</u>	★ = <u>per Mark June-Wells 4/13/2016 email instructions:</u> Cannabinoid results are updated per NELabs' test results on #C0062, NELabs' sample #N1665660-11, as received 4/06/2016, tested 4/07/2016, and 1 st emailed by Courtney Appell on 4/07/2016 = see below...		

★Rpt#N1665660-11	Units
Monoterpenoids	
a-pinene	--- %
b-pinene	--- %
b-myrcene	0.04 %
limonene	0.06 %
ocimene	--- %
terpinolene	0.04 %
linalool	0.09 %
Sesquiterpenoids	
b-caryophyllene	0.29 %
humulene	0.13 %
trans-nerolidol	--- %
caryophyllene oxide	--- %
b-eudesmol	0.47 %

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 1/27/2016.
- (Updated results based upon samples submitted 4/6/2016.)

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Date Received: **1/27/2016**Date Tested: **1/29/2016**Laboratory Report#: **N1664994-05**Updated Report **4/21/2016**

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<u>Product Description:</u>	<u>OC0036</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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<u>Product Description:</u>	OC0036		

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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Potency Results below
= Updated per
NEL Rpt.# N1665660-11

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Laboratory ID #:	1664994 - 05 OC0036★
Product Description:	★ = per Mark June-Wells 4/13/2016 email instructions: Cannabinoid results are updated per NELabs' test results on #C0062, NELabs' sample #N1665660-11, as received 4/06/2016, tested 4/07/2016, and 1 st emailed by Courtney Appell on 4/07/2016 = see below...

★Rpt#N1665660-11		
CANNABINOIDS (% weight)	Result	Units
CBDV	----	% weight
CBDA	1.51	% weight
CBGA	0.77	% weight
CBG	0.23	% weight
CBD	0.12	% weight
THCV	0.13	% weight
CBN	0.08	% weight
THC	20.42	% weight
CBC	0.26	% weight
THCA	67.78	% weight

METHODS: HPLC**Comments:**

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