

**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

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★ Report Update: 2/04/2016 = see Page #6
Potency Results Update
(per NEL#N1665402-04)

★ = per Kim Provera's 2/04/2016 email instructions: Cannabinoid results (page #6) are updated per NELabs' test results on #LMS 092115/092515, NELabs' sample #N1665402-04, as received 2/02/2016, tested 2/03/2016, and 1st emailed by Ryan Picard on 2/03/2016

Product ID: 092515			
Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
Date Collected:	1/27/2016 14:20	Collected by: CA of NELabs	
Laboratory ID #:	1664994 - 05		
Product Description:	LMS 092515 / 092115		

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

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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 Tested: 2/01 to 2/02/2016

Laboratory Report#: N1664994-05

Report Date: 2/03/2016

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<u>Product Description:</u>	LMS 092515 / 092115		

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>TERPENE PROFILE</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	0.09	%
b-myrcene	0.92	%
limonene	0.50	%
ocimene	---	%
terpinolene	0.14	%
linalool	0.15	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	1.10	%
humulene	0.49	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	0.47	%

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

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Portland CT 06480Date Received: **1/27/2016**Date Tested: **1/29/2016**Laboratory Report#: **N1664994-05**Report Date: **2/03/2016**E-Mail: rino.ferrarese@ctpharma.com
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<u>Product Description:</u>	LMS 092515 / 092115		

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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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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kim.provo@ctpharma.com**★Report Update:** 2/04/2016 =
Potency Results below
= Updated per
NEL Rpt.# N1665402-04

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Product Description:	LMS 092515 / 092115 ★ ★ = per Kim Provera's 2/04/2016 email instructions: Cannabinoid results are updated per NELabs' test results on #LMS 092115/092515, NELabs' sample #N1665402-04, as received 2/02/2016, tested 2/03/2016, and 1 st emailed by Ryan Picard on 2/03/2016 = see below...

★Rpt#N16650402-04		
CANNABINOIDS (% weight)	Result	Units
CBDV	----	% weight
CBDA	0.11	% weight
CBGA	0.72	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
THC	0.59	% weight
CBC	----	% weight
THCA	31.50	% weight

METHODS: HPLC**Comments:**

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★ Cannabinoid results above are updated per NELabs' test results on #LMS 092115/092515
NELabs' sample #N1665402-04, as received 2/02/2016

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