

**Report To:**

Connecticut Pharmaceutical Solutions
Rino Ferrarese & Mark June-Wells, Ph.D.
Kim Provera & Nancy Poltrack
 47 Lower Main St
 Portland CT 06480

Date Received: 2/24/2016
 Date Tested: 2/24 + 2/26/2016

Laboratory Report#: N1665245 - 04
 1st Email Report via R.Picard: 2/29/2016

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COA Report Date: 2/29/2016 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT	
Date Collected:	2/24/2016 11:15 AM	Collected By: CA of NELabs
Laboratory ID #:	1665245 - 04	
Product Description:	OC0031 ★	

★ = Note: Per Mark June Well's 2/29/2016 email, product #OC0031's pedigree is (e.g. was made from):

- OC0031 = per NELabs' Sample ID #N1665245-04, was received for Terpenes and Cannabinoids tests on 2/24/2016,
 - tested on 2/24/2016 (=OC0031 Cannabinoids) = 1st emailed by Ryan Picard on 2/25/2015
 - tested on 2/26/2016 (=OC0031RT Terpenes) = 1st emailed by Ryan Picard on 2/29/2016

as derived from...

- LMS - BATCH # 082015
 - LMS-BATCH #082015, per NELabs' Report #N1564467-08, was received for Terpenes & Cannabinoids tests on 12/10/2015; with the Terpenes & Cannabinoids tested on 12/10/2015 and emailed 1st by Ryan Picard on 12/11/2015; with a typed COA for both Terpenes & Cannabinoids reported on 1/22/2016.

and

- LMS - BATCHES #LMS 092515 / 092115
 - per NELabs' Report #N1664994-05 the Terpenes sample was received on 1/27/2016 and tested on 2/02/2016,
 - per NELabs' Report #N1665402-04 the Cannabinoids sample was received on 2/02/2016 and tested on 2/03/2016
 - with the typed COA for both Terpenes & Cannabinoids reported on 2/03/2016 and updated Cannabinoids on 2/04/2016

★ = Sample #OC0031 RT

TERPENE PROFILE		★N1665245 - 04 = 2/24/2016	
(% Dry Weight)	Results	Units	
<u>Monoterpenoids</u>			
a-pinene	---	%	
b-pinene	0.16	%	
b-myrcene	0.42	%	
limonene	0.61	%	
ocimene	---	%	
terpinolene	0.45	%	
linalool	1.51	%	
<u>Sesquiterpenoids</u>			
b-caryophyllene	3.02	%	
humulene	1.48	%	
trans-nerolidol	0.83	%	
caryophyllene oxide	---	%	
b-eudesmol	2.00	%	

METHODS: GC, GC/MS

Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/24/2016

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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COA Report Date: 2/29/2016 ★

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<u>Laboratory ID #:</u>	<u>1665245 – 04</u>		
<u>Product Description:</u>	OC0031 ★		

★ = Note: Per Mark June Well's 2/29/2016 email, product #OC0031's pedigree is (e.g. was made from):

- OC0031 = per NELabs' Sample ID #N1665245-04, was received for Terpenes and Cannabinoids tests on 2/24/2016,
 - tested on 2/24/2016 (Cannabinoids) = 1st emailed by Ryan Picard on 2/25/2015
 - tested on 2/26/2016 (Terpenes) = 1st emailed by Ryan Picard on 2/29/2016

as derived from...

- LMS – BATCH # 082015
 - LMS-BATCH #082015, per NELabs' Report #N1564467-08, was received for Terpenes & Cannabinoids tests on 12/10/2015; with the Terpenes & Cannabinoids tested on 12/10/2015 and emailed 1st by Ryan Picard on 12/11/2015; with a typed COA for both Terpenes & Cannabinoids reported on 1/22/2016.

and

- LMS – BATCHES #LMS 092515 / 092115
 - per NELabs' Report #N1664994-05 the Terpenes sample was received on 1/27/2016 and tested on 2/02/2016,
 - per NELabs' Report #N1665402-04 the Cannabinoids sample was received on 2/02/2016 and tested on 2/03/2016
 - with the typed COA for both Terpenes & Cannabinoids reported on 2/03/2016 and updated Cannabinoids on 2/04/2016

★ = Sample #OC0031

CANNABINOIDS	★N1665245-04	2/24/2016
(% weight)	Result	Units
CBDV	----	% weight
CBDA	4.59	% weight
CBGA	0.50	% weight
CBG	0.47	% weight
CBD	0.60	% weight
THCV	0.39	% weight
CBN	0.12	% weight
THC	35.50	% weight
CBC	0.57	% weight
THCA	24.10	% weight

METHODS: HPLC

Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/24/2016

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Report To:
Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese
47 Lower Main St
Portland CT 06480

Date Received: 12/08/2015
Date Tested: 12/08/2015
Laboratory Report#: N1564541 - 10
Report Date: 12/16/2015

E-Mail: rino.ferrarese@ctpharma.com

NOTE: CANNABINOIDS & TERPENE PROFILE per Lab.
Rpt#1564567-08 sample (as rc'd 12/10/15) = see pages 4 & 7

NOTE: YEAST & MOLD COUNT Results per Re-Tests Lab
Rpt#1564596-(01-03) samples (as rc'd 12/14/15) = see page #2

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	12/08/2015 10:10
Collected by:	CA of NELabs
Laboratory ID #:	1564541 - 10
Product Description:	<u>Lemon Skunk == LMS 082015</u>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	3,300	per gram	PASS	100,000
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: 12/08/2015

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Date Received: 12/08/2015

Date Tested: 12/08/2015

Laboratory Report#: N1564541 - 10

Report Date: 12/16/2015

E-Mail: rino.ferrarese@ctpharma.com

NOTE: YEAST & MOLD COUNT Results per Re-Tests Lab
Rpt#1564596-(01-03) samples (as rc'd 12/14/15)

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	12/14/2015 10:40
Collected by:	CA of NELabs
Laboratory ID #:	1564596 - 01
Product Description:	<u>Lemon Skunk == LMS 082015</u>

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Yeast & Mold Count	500	per gram	PASS	10,000

Laboratory ID #:	1564596 - 02
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<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Yeast & Mold Count	200	per gram	PASS	10,000

Laboratory ID #:	1564596 - 03
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<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Yeast & Mold Count	500	per gram	PASS	10,000

* **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:

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Date Collected:	12/08/2015 10:10
Collected by:	CA of NELabs
Laboratory ID #:	1564541 - 10
Product Description:	<u>Lemon Skunk == LMS 082015</u>

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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Product Description:	<u>Lemon Skunk == LMS 082015</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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Laboratory ID #:	1564541 - 10
Product Description:	<u>Lemon Skunk == LMS 082015</u>

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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