

**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: 3/08/2016
 Date Tested: 3/08/2016

Laboratory Report#: N1665359 - 06
 1st Email Report via C.Appell" 3/09/2016

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COA Report Date: 3/14/2016 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT	
Date Collected:	3/08/2016 10:50 am	Collected By: CA of NELabs
Laboratory ID #:	1665359 - 06	
Product Description:	OC0032 ★	

★ = Note: Per Mark June Well's 3/09/2016 email, product #OC0032's pedigree is (e.g. was made from):

- OC0032 = per NELabs' Sample ID #N1665359 - 06, was received for Terpenes and Cannabinoids
 - Cannabinoids were tested on 3/08/2016, 1st emailed by C.Appell on 3/09/2016;
 - Terpenes were tested on 3/10/2016
 - see results below (Terpenes = pg. 1 herein, Cannabinoids = pg. 2 herein)...

as derived from...

- JLO-062915 = Full Range Report #N1563816 - 06
 - the sample was received on 9/23/2015, and tested on 9/23/2015 (with Cannabinoids results 1st emailed 9/24/2015);
 - and Terpenes tested on 9/23/2015;
 - The Full Range Results (pages 1 thru 6) were reported on 9/30/2015

AND

as derived from...

- JLO-063015 = Full Range Report #N1563967 - 04
 - the sample was received on 10/07/2015, and tested on 10/13/2015 (with Cannabinoids results 1st emailed 10/14/2015);
 - and Terpenes tested on 10/13/2015
 - The Full Range Results (pages 1 thru 6) were reported on 10/15/2015

TERPENE PROFILE		★ = Sample #OC0032	
(% Dry Weight)		Results	Units
<u>Monoterpenoids</u>			
a-pinene		---	%
b-pinene		---	%
b-myrcene		---	%
limonene		---	%
ocimene		---	%
terpinolene		0.02	%
linalool		0.09	%
<u>Sesquiterpenoids</u>			
b-caryophyllene		0.43	%
humulene		0.22	%
trans-nerolidol		---	%
caryophyllene oxide		---	%
b-eudesmol		0.30	%

METHODS: GC, GC/MS

Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 3/08/2016

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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<u>Product Description:</u>	OC0032 ★		

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 - the sample was received on 9/23/2015, and tested on 9/23/2015 (with Cannabinoids results 1st emailed 9/24/2015);
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AND

as derived from...

- JLO-063015 = Full Range Report #N1563967 - 04
 - the sample was received on 10/07/2015, and tested on 10/13/2015 (with Cannabinoids results 1st emailed 10/14/2015);
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<u>CANNABINOIDS</u>	<u>★ = Sample #OC0032</u>	
<u>(% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	0.54	% weight
CBGA	1.30	% weight
CBG	0.42	% weight
CBD	----	% weight
THCV	----	% weight
CBN	0.24	% weight
THC	9.03	% weight
CBC	0.26	% weight
THCA	68.36	% weight

METHODS: HPLC

Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 3/08/2016

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Attn: Rino Ferrarese

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Date Received: 10/07/2015

Date Tested: 10/07/2015

Laboratory Report#: N1563967

Report Date: 10/15/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	10/07/2015 11:10
Collected by:	CA of NELabs
Laboratory ID #:	1563967 - 04
Product Description:	J-LO #063015

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	200	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:**

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Date Received: 10/07/2015

Date Tested: 10/13 – 15/2015

Laboratory Report#: N1563967

Report Date: 10/15/2015

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<u>Date Collected:</u>	10/07/2015 11:10
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563967 - 04
<u>Product Description:</u>	J-LO #063015

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	<0.0005	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)

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Product Description:	J-LO #063015

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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Product Description:	J-LO #063015

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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