

**Report To:**

Connecticut Pharmaceutical Solutions
Rino Ferrarese & Mark June-Wells, Ph.D.
47 Lower Main St
Portland CT 06480
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& mjunewells@aerlimnology.com

Date Received: 11/02/2015

Date Tested: 11/02/2015

Laboratory Report#: N1564207 – 07 (OC0020)★

1st Email Report via R.Picard: 11/03/2015

Report Date: 11/17/2015 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	11/02/2015 11:45
Collected by:	CA of NELabs
Laboratory ID #:	1564207 – 07
Product Description:	#OC0020-2 (per COC) = also known as OC0020 per Mark June-Well's 11/16/15 email

★ = Sample #OC0020: This sample, NELabs' #N1564207(07), was received on 11/02/2015, tested on 11/02/2015, and reported via email by Ryan Picard on 11/03/2015 == see results below...

Note: Per Mark June Well's 11/16/15 email, product #OC-0020 was made from:

- GTH#031715 = NELabs #N1562734 (08) , as received for Full Range analysis on 6/30/2015, with the Cannabinoids tested 7/02/2015. The Full Range Report was released 07/07/2015 == with Cannabinoids as reported on page #6 therein.

<u>CANNABINOIDS</u>	<u>6/30/2015 #OG0020</u>	
<u>(% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	0.12	% weight
CBGA	1.70	% weight
CBG	1.54	% weight
CBD	----	% weight
THCV	0.22	% weight
CBN	0.13	% weight
THC	37.30	% weight
CBC	0.45	% weight
THCA	17.20	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/02/2015
- OC0200 Cannabinoids result were 1st emailed by R.Picard of NELabs on 11/03/2015.

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 6/30/2015

Date Tested: 6/30/2015

Laboratory Report#: N1562734

Report Date: 7/07/2015

E-Mail: rino.ferrarese@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	6/30/2015 11:45 am
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1562734 - 08
<u>Product Description:</u>	GTH#031715

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	1,300	per gram	PASS	100,000
Total Yeast & Mold Count	2,000	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: 6/30/2015

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 6/30/2015

Date Tested: 7/06/2015

Laboratory Report#: N1562734

Report Date: 7/07/2015

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<u>Product Description:</u>	GTH#031715

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)

Comments:

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TERPENE PROFILE
(% Dry Weight)**Result** **Units****Monoterpenoids**

a-pinene	0.11	%
b-pinene	0.27	%
b-myrcene	0.99	%
limonene	0.45	%
ocimene	0.36	%
terpinolene	1.01	%
linalool	0.26	%

Sesquiterpenoids

b-caryophyllene	0.74	%
humulene	0.13	%
trans-nerolidol	---	%
caryophyllene oxide	0.07	%
b-eudesmol	0.02	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 6/30/2015

Approved By:

Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.comTelephone: 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>	GTH#031715

PESTICIDES LC (MS/MS)				
<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Limits</u>
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				
<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Limits</u>
<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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