Analytical Report

Report To:
Connecticut Pharmaceutical Solutions
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Date Received: 11/17/2015
Date Tested: 11/18/2015
Laboratory Report#: N1564367 - 14
1st Email Report via R.Picard: *11/18/2015*
Report Date: 11/24/2015 ★

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**11/17/2015 14:00**
Collected by:	**CA of NELabs**
Laboratory ID #:	**1564367 -14**
Product Description:	**#EG0020**

★ = Sample #EG0020: This sample, NELabs' #N1564367-14, was received on 11/17/2015, tested on 11/18/2015, and reported via email by Ryan Picard on 11/18/2015 == *see CANNABINOIDS results below...*

Note: Per Mark June Well's 11/20/15 email, product #EG0020 was made from:

- D0027 = NELabs #N1563935-01 for potency (plus: Density & Residual ETOH), as received 10/05/2015; tested 10/05/2015, with results 1st emailed by Ryan Picard 10/05/2015.

and

- C0038 = NELabs #N1563392-07 for potency, as received 8/21/2015; tested 8/24/2015, with results 1st emailed by Ryan Picard 8/24/2015.

and

- GTH020915 (originally reported as GTH Flower = NELabs #N1562064-02, as received for Full Range tests on 4/24/2015,with the Cannabinoids tested 4/27/2015. The Full Range Report was released 4/30/2015== with Cannabinoids reported on page #6 therein.
  - Note: Report #N1562064-02 was updated by the Re-Test Cannabinoids' Sample # NELabs #N1562126-01, as received on 5/01/2015, tested 5/04/2015, and reported on 5/06/2015 as the Report Update #N1562126-02 on Page #6 of original Report #N1562064-02.

CANNABINOIDS (% weight)	11/17/2015 #EG0020 Result	Units
CBDV	----	% weight
CBDA	----	% weight
CBGA	0.46	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	0.15	% weight
THC	16.50	% weight
CBC	0.25	% weight
THCA	----	% weight

METHODS: **HPLC**

Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/17/2015
- *EG0020 Cannabinoids result were 1st emailed by R.Picard of NELabs on 11/18/2015.*

Approved By: Alan C. Johnson

Alan C. Johnson, Laboratory Director

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Date Received: 4/24/2015
Date Tested: 4/24/2015
Laboratory Report#: N1562064
Report Date: 4/30/2015
Report Update: *5/06/2015 (pg #6 only see Cannabinoids)*

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**4/24/2015 14:20**
Collected by:	**CA of NELabs**
Laboratory ID #:	**1562064 – 02**
Product Description:	**GTH FLOWER**

Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count	<100	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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Laboratory Director

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Attn: Rino Ferrarese
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Date Received: 4/24/2015
Date Tested: 4/29/2015
Laboratory Report#: N1562064
Report Date: 4/30/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**4/24/2015 14:20**
Collected by:	**CA of NELabs**
Laboratory ID #:	**1562064 – 02**
Product Description:	**GTH FLOWER**

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	<0.0002	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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Laboratory Director

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Date Received: 4/24/2015
Date Tested: 4/28/2015
Laboratory Report#: N1562064
Report Date: 4/30/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**4/24/2015 14:20**
Collected by:	**CA of NELabs**
Laboratory ID #:	**1562064 – 02**
Product Description:	**GTH FLOWER**

TERPENE PROFILE (% Dry Weight)	**Result**	**Units**
Monoterpenoids		
a-pinene	<0.01	%
b-pinene	0.11	%
b-myrcene	0.29	%
limonene	0.18	%
ocimene	0.11	%
terpinolene	0.26	%
linalool	0.11	%
Sesquiterpenoids		
b-caryophyllene	0.50	%
humulene	0.09	%
trans-nerolidol	<0.01	%
caryophyllene oxide	0.41	%
b-eudesmol	<0.01	%

METHODS: **GC, GC/MS**

Comments:
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Date Tested: 4/27/2015
Laboratory Report#: N1562064
Report Date: 4/30/2015

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	4/24/2015 14:20
Collected by:	CA of NELabs
Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

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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Date Collected:	4/24/2015 14:20
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Laboratory ID #:	1562064 – 02
Product Description:	GTH FLOWER

MYCOTOXINS

Parameter	Result	Units		Limits
Method: USP 561-II				
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
Method: USP 561-II (Mod)				
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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