Analytical Report

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 - 06
1st Email Report via R.Picard: *11/03/2015*
Report Date: 11/04/2015 ★

★★Reprint Requested by Mark J-W, 11/16/15

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 – 06**
Product Description:	**#EG0019**

★ = Sample #EG0019: This sample, NELabs' #N1564207(06), 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 11/03/15 email, product #EG0019 was made from:
D0029 = NELabs #N1564147 (12), potency (plus: Density & Residual ETOH), as received 10/23/2015; tested 10/26/2015, with results 1st emailed by Ryan Picard 10/27/2015; with a typed Potency Report issued 10/28/2015.

and

- OC0001 = NELabs #N1561392 (03) , as received for Full Range on 1/30/2015, with the Cannabinoids tested 1/30/2015, and 1st emailed by R.Picard of NELabs on 1/30/2015. The Full Range Report was released 2/06/2015 == with Cannabinoids reported on page #6 therein.

and

- GTH2014 = NELabs #N1460988 (03) , as received for Full Range on 11/28/2014, with the Cannabinoids tested 11/28/2015. The Full Range Report was released 12/04/2014 == with Cannabinoids reported on page #6 therein.

CANNABINOIDS (% weight)	11/02/2015 #EG0019 Result	Units
CBDV	----	% weight
CBDA	0.12	% weight
CBGA	----	% weight
CBG	0.74	% weight
CBD	0.53	% weight
THCV	----	% weight
CBN	0.96	% weight
THC	15.38	% weight
CBC	0.35	% weight
THCA	----	% weight

METHODS: **HPLC**

Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/02/2015
- *EG0019 Cannabinoids result were 1st emailed by R.Picard of NELabs on 11/03/2015.*

★★ = Reprint of the above was requested per Mark June Well's 11/16/2015 EMAIL

Approved By: Alan C. Johnson

Alan C. Johnson, Laboratory Director

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Attn: Rino Ferrarese
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Date Received: 11/28/2014 14:30
Date Tested: 11/28/2014 15:00
Laboratory Report#: N1460988
Report Date: 12/04/2014
Product Description Change per Client 12/09/2014

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**11/28/2014**
Collected by:	**CA & AJ of NELabs**
Laboratory ID #:	**1460988 – 03**
Product Description:	**Fioraden B**

Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count	2,200	per gram	PASS	100,000
Total Yeast & Mold Count	480	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	500	per gram	PASS	1,000
Coliform	500	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

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Laboratory Director

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Date Received: 11/28/2014 14:30
Date Tested: 11/28 – 12/4/2014
Laboratory Report#: N1460988
Report Date: 12/05/2014
Product Description Change per Client 12/09/2014

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HEAVY METALS:

Parameter	Result	Units		Limits
Arsenic, Total	<0.001	µg/kg BW/day	PASS	<0.14
Cadmium, Total	<0.001	µg/kg BW/day	PASS	<0.09
Lead, Total	<0.001	µg/kg BW/day	PASS	<0.29
Mercury, Total	<0.0001	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:	**Fioraden B**

TERPENE PROFILE (AREA %)	**Result**	**Units**
Monoerpenoids		
a-pinene	0.25	%
b-pinene	4.35	%
b-myrcene	18.21	%
limonene	13.75	%
terpinolene	32.86	%
ocimene	5.39	%
linalool	---	%
Sesquiterpenoids		
b-caryophyllene	18.97	%
humulene	---	%
b-eudesmol	---	%
caryophyllene oxide	---	%
trans-nerolidol	---	%

METHODS: **GC / GCMS**

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Product Description:	**Fioraden B**

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
Chloromequat 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
Paclobutrazole	<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
Trifloxysulfuron	<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

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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)

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