

**Report To:**

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

Date Received: 11/28/2014 14:30

Date Tested: 11/28/2014 15:00

Laboratory Report#: N1460988

Report Date: 12/04/2014

Product Description to Fioraleve B on:	Changed, per client 12/09/2014
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E-Mail: rino.ferrarese@ctpharma.com

Report Update: 7/10/2015

as Blended 6/22/2015 sample # D0017 = Rpt#1562634 (07)
 with = as 1st emailed 6/23/15 via R.Picard
 =see Potency-Cannabinoids (pg. 6)
 and ETOH & Density results (pg. 7)

★ = 9/24/2015 UPDATE=

BLENDED with: Sample #OC0015, as rc'd 9/04/2015
 (see Terpenes (pg 4) & Potency (pg 6))

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 – 01
Product Description:	Fioraleve B (Ringo A-N) = 7/10/2015: UPDATE/BLENDED WITH RPT.# 1562634 (07)= D0017 = 9/24/2015: UPDATE/BLENDED WITH RPT. #1563597 (11) = OC0015 ★

★ = Per Mr. Ferrarese's 9/22/2015 E-Mail request, Report #1460988-01 is herein merged with Potency and Terpenes test results from Sample #OC0015 from Report #1563597-11, as received and tested 9/04/2015, results for which were emailed directly to you on 9/08/2015.

- Sample #D0017 (NELabs #1562634-07) was received on Monday, 6/22/2015 for Potency (Cannabinoids), Ethanol (% Weight), and Density (g/cm³) == tested on 6/23/2015 == and results for which were emailed directly to you on 6/23/2015 by Ryan Picard of Northeast Laboratories.
- Per your July 09, 2015 E-Mail, **D0017** was made from the **starting flower parent material RINGO A-N** with a Sample Date of 11/28/2014 = which was fully tested in November, 2014 as NELabs Report #1460988-01 and the Full Range Report was issued 12/04/2015. **Report #1460988-01 was further updated and re-issued on 12/09/2015 to change the product name from Ringo A-N to: Fioraleve B.**
- As such, Sample #OC0015 (as received 9/4/2015) Sample would not need to be tested for 'full release', as blending from Report #1460988-01 would not create problems or changes of note. ★ = **Following is NELab's 9/24/2015 UPDATED / MERGED Results Report #N1460988 (01) which reflects the above.**

Please feel free to contact us with any questions, concerns or comments.

Approved By:

Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.com

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CT Cert. #PH-0404 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #086650488 DEA Reg.: Federal #RN0281852 + CT #624

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Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count	1,100	per gram	PASS	100,000
Total Yeast & Mold Count	260	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	23	per gram	PASS	1,000
Coliform	23	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: 11/28/2014

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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 to Fioraleve B on:	Changed, per client 12/09/2014
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HEAVY METALS:

Parameter	Result	Units	Limits
Arsenic, Total	<0.001	µg/kg BW/day	PASS
Cadmium, Total	<0.001	µg/kg BW/day	PASS
Lead, Total	<0.001	µg/kg BW/day	PASS
Mercury, Total	<0.0001	µg/kg BW/day	PASS

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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★ = 9/24/2015 UPDATE=

BLEND with: Sample #OC0015, as rc'd 9/04/2015
(see Terpenes (pg 4) & Potency (pg 6))

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Laboratory ID #:	1460988 – 01
Product Description:	Fioraleve B (Ringo A-N) ★ = 9/24/2015: UPDATE/BLENDED WITH TERPENE RESULTS FROM: RPT. #1563597 (11) = OC0015, as tested 9/04/2015

TERPENE PROFILE (AREA %)	★ =	Update 9/24/2015
	Result	Units
<u>Monoerpenoids</u>		
a-pinene	0.46	%
b-pinene	0.49	%
b-myrcene	5.12	%
limonene	1.71	%
terpinolene	---	%
ocimene	0.35	%
linalool	3.70	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	4.70	%
humulene	1.49	%
b-eudesmol	---	%
caryophyllene oxide	0.55	%
trans-nerolidol	---	%

METHODS: GC / GCMS**Comments:**

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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**Comments:**

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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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CANNABINOIDS (% dry wt.)	★ = Update 9/24/2015	
	Result	Units
CBDA	26.60	% dry wt.
CBG	0.74	% dry wt.
CBD	10.50	% dry wt.
CBN	0.09	% dry wt.
THC	17.00	% dry wt.
CBC	0.82	% dry wt.
THCA	10.40	% dry wt.

METHODS: HPLC**Comments:**

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=RPT.# 1562634 (07)= D0017

<u>Parameters</u>	<u>Result</u>	<u>Units</u>
Ethanol	<0.010	% Weight
Density	1.0290	g/cm ³ @20°C

METHODS: Gravimetric**Comments:**

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