

**Report To:**

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

Date Received: 11/24/2015

Date Tested: 12/01/2015

Laboratory Report#: N1564437 = 08

1st Email Report via R.Picard: 12/02/2015

E-Mail: rino.ferrarese@ctpharma.com
& mjunewells@aerlimnology.com

Report Date: 12/10/2015 ★

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	11/24/2015
Collected by:	CA of NELabs
Laboratory ID #:	1564437 - 08 ★
Product Description:	HS0003 ★

★ = Sample #HS0003: This sample, NELabs' #N1564437 – 08 was received on 11/24/2015, tested on 12/01/2015, and reported via email by Ryan Picard on 12/02/2015 == see **CANNABINOIDS results below...**

Note: Per Mark June Well's 12/08/15 email, product #HS0003 was made from:

- "CRM121614" =name updated ★ per Mark June-Well's 12/8/2015
 - as previously reported by NELabs Rpt#1561824 – 01, under the name of: "Critical #1 CPS"
 - "Critical #1 CPS" was received for Full Range tests on 3/26/2015 with the Cannabinoids tested 3/30/2015.
 - The Full Range Report #N1561824-01 was released on 4/02/2015, with Cannabinoids reported on page #6 therein.

CANNABINOIDS		★= 11/3242015	
		#HS0003	
(% weight)		Result	Units
CBDV		----	% weight
CBDA		----	% weight
CBGA		0.51	% weight
CBG		0.37	% weight
CBD		----	% weight
THCV		----	% weight
CBN		----	% weight
THC		14.00	% weight
CBC		0.30	% weight
THCA		29.30	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 11/24/2015
- HS0003 Cannabinoids result were 1st emailed by R.Picard of NELabs on 12/02/2015.

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

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 3/26/2015

Date Tested: 3/27/2015

Laboratory Report#: N1561824

Report Date: 4/02/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	3/26/2015 14:15
Collected by:	CA of NELabs
Laboratory ID #:	1561824 – 01
Product Description:	CRITICAL #1 CPS

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 3/26/2015

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Laboratory DirectorNortheast 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
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Attn: Rino Ferrarese

47 Lower Main St

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Date Received: 3/26/2015

Date Tested: 4/02/2015

Laboratory Report#: N1561824

Report Date: 4/02/2015

E-Mail: rino.ferrarese@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	3/26/2015 14:15
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1561824 – 01
<u>Product Description:</u>	CRITICAL #1 CPS

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	<0.0002	µg/kg BW/day	PASS	<0.29

Daily Dose: 1 gramBody 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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Alan C. Johnson,
Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 3/26/2015

Date Tested: 3/31/2015

Laboratory Report#: N1561824

Report Date: 4/02/2015

E-Mail: rino.ferrarese@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	3/26/2015 14:15
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1561824 – 01
<u>Product Description:</u>	CRITICAL #1 CPS

TERPENE PROFILE (% Weight)		
	Result	Units
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	---	%
b-myrcene	0.66	%
limonene	0.15	%
ocimene	---	%
terpinolene	---	%
linalool	0.28	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.36	%
humulene	0.08	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	---	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 3/26/2015

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Laboratory DirectorNortheast 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
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Date Tested: 4/01/2015

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Collected by:	CA of NELabs
Laboratory ID #:	1561824 – 01
Product Description:	CRITICAL #1 CPS

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
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:	CRITICAL #1 CPS

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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