

**Report To:**

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

Date Received: 1/27/2016

Date Tested: 1/28/2016

Laboratory Report#: N1664994 - 09

1st Email Report via R.Picard: 1/29/2016

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COA Report Date: 2/04/2016 ★

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	1/27/2016 14:20	Collected By: CA of NELabs	
<u>Laboratory ID #:</u>	1664994 - 09		
Product Description:	TN0015 ★=		

Note: Per Mark June Well's 2/03/2016 email, product #TN0015 was made from:

- CANNA-TSU (a/k/a CTS) – Batch #060115, per NELabs' Report #N1563767 - 01, as received for Full Range tests on 9/17/2015, with the Cannabinoids tested on 9/21/2015 and emailed 1st by Ryan Picard on 9/21/2015;
 - then included in the Full Range Report that was released 9/29/2015 == with Cannabinoids reported on page #6 therein.
- and
- CANNA-TSU FLOWER (a/k/a CTS) – Batch #CTS072215, per NELabs' Report #N1564279 - 01, as received for Full Range tests on 11/09/2015, with the Cannabinoids tested on 11/09/2015 and emailed 1st by Ryan Picard on 11/09/2015;
 - then included in the Full Range Report that was released 9/29/2015 == with Cannabinoids reported on page #6 therein.

★ = Sample #TN0015 = NELabs Report #N1664994 - 09 == received on 1/27/2016, tested on 1/28/2016, and 1st reported via email by Ryan Picard on 1/29/2016 == see results below...

CANNABINOIDS		#1664994 - 09 (1/27/2016)	
(% weight)		Result	Units
CBDV		----	% weight
CBDA		0.03	% weight
CBGA		----	% weight
CBG		0.07	% weight
CBD		1.45	% weight
THCV		----	% weight
CBN		0.04	% weight
THC		1.23	% weight
CBC		0.12	% weight
THCA		----	% weight

METHODS: HPLC**Comments:** Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 1/27/2016

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: 9/17/2015

Date Tested: 9/17/2015

Laboratory Report#: N1563767

Report Date: 9/29/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	9/17/2015 14:10
Collected by:	CA of NELabs
Laboratory ID #:	1563767 - 01
Product Description:	CANNA-TSU -- BATCH #060115

Parameter	Result	Units		Recommended Limits *
Total Aerobic Microbial Count	<100	per gram	PASS	100,000
Total Yeast & Mold Count	500	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: 9/17/2015

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Attn: Rino Ferrarese

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Date Received: 9/17/2015

Date Tested: 9/29/2015

Laboratory Report#: N1563767

Report Date: 9/29/2015

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Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	9/17/2015 14:10
Collected by:	CA of NELabs
Laboratory ID #:	1563767 – 01
Product Description:	CANNA-TSU -- BATCH #060115

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	<0.0005	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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Date Received: 9/17/2015

Date Tested: 9/23/2015

Laboratory Report#: N1563767

Report Date: 9/29/2015

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Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	9/17/2015 14:10
Collected by:	CA of NELabs
Laboratory ID #:	1563767 – 01
Product Description:	CANNA-TSU -- BATCH #060115

TERPENE PROFILE (% Dry Weight)	Result	Units
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	---	%
b-myrcene	0.15	%
limonene	0.14	%
ocimene	---	%
terpinolene	---	%
linalool	0.38	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.70	%
humulene	0.26	%
trans-nerolidol	0.60	%
caryophyllene oxide	---	%
b-eudesmol	0.10	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 9/17/2015

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Portland CT 06480

Date Received: 9/17/2015**Date Tested:** 9/24/2015**Laboratory Report#:** N1563767**Report Date:** 9/29/2015**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	9/17/2015 14:10
Collected by:	CA of NELabs
Laboratory ID #:	1563767 – 01
Product Description:	CANNA-TSU -- BATCH #060115

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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Product Description:	CANNA-TSU -- BATCH #060115

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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