

**Report To:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese, Mark June-Wells
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: 2/24/2016 & 2/26/2016 ★

Date Tested: 2/25/2016

Laboratory Report#: N1665245 – 02 (micro only)
★ N1665271 – 01 (all other tests)

Report Date: 3/02/2016

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com
npoltrack@gmail.com

★REPORT #: N1665271 – 01 = as rc'd 2/26/2016
★ = see pages 2 thru 6 herein=

★REPORT DATE: 3/04/2016

★ = Note: Per client's instructions:

Microbiological results for CTS 111015 are reported per NELabs' 2/24/2016 sample #N1665245 – 02 (see COA report on 3/02/2016); all other testing for CTS 111015 is based on samples received 2/26/2016...

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	2/24/2016 11:15	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665245 - 02</u>		
<u>Product Description:</u>	CTS 111015		

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>	
Total Aerobic Microbial Count	700	per gram	PASS	100,000
Total Yeast & Mold Count	300	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 996.09Comments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/24/2016

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, Mark June-Wells
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: 2/26/2016

Date Tested: 3/02/2016 & 3/03/2016
Laboratory Report#: N1665271 – 01

Report Date: 3/04/2016

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com
npoltrack@gmail.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	2/26/2016 10:00	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665271 – 01</u>		
<u>Product Description:</u>	CTS 111015		

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	<0.005	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:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/26/2016

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese, Mark June-Wells
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: **2/26/2016**Date Tested: **2/29/2016**
Laboratory Report#: **N1665271 – 01**Report Date: **3/04/2016**

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com
npoltrack@gmail.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	2/26/2016 10:00	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665271 – 01</u>		
<u>Product Description:</u>	CTS 111015		

<u>TERPENE PROFILE</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	0.05	%
b-myrcene	0.29	%
limonene	0.25	%
ocimene	---	%
terpinolene	0.05	%
linalool	0.16	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.42	%
humulene	0.15	%
trans-nerolidol	0.08	%
caryophyllene oxide	---	%
b-eudesmol	---	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/26/2016

Approved By:

Alan C. Johnson, Laboratory Director

Northeast 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
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, Mark June-Wells
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: **2/26/2016**Date Tested: **2/29/2016**
Laboratory Report#: **N1665271 – 01**Report Date: **3/04/2016**

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com
npoltrack@gmail.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	2/26/2016 10:00	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665271 – 01</u>		
<u>Product Description:</u>	CTS 111015		

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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/26/2016

Approved By:

Alan C. Johnson, Laboratory Director

Northeast 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
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, Mark June-Wells
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: 2/26/2016

Date Tested: 2/29/2016
Laboratory Report#: N1665271 – 01

Report Date: 3/04/2016

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com
npoltrack@gmail.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	2/26/2016 10:00	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665271 – 01</u>		
<u>Product Description:</u>	CTS 111015		

MYCOTOXINS			
Parameter	Result	Units	Limits
<u>Method: USP 561-II</u>			
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
<u>Method: USP 561-II (Mod)</u>			
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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/26/2016

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese, Mark June-Wells
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

Date Received: **2/26/2016**Date Tested: **2/26/2016**Laboratory Report#: **N1665271 – 01***1st Emailed on* 2/29/2016 by R.PicardReport Date: **3/04/2016**

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com
npoltrack@gmail.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	2/26/2016 10:00	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665271 – 01</u>		
<u>Product Description:</u>	CTS 111015		

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	13.90	% weight
CBGA	0.75	% weight
CBG	0.17	% weight
CBD	0.08	% weight
THCV	----	% weight
CBN	----	% weight
THC	0.10	% weight
CBC	0.09	% weight
THCA	9.36	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 2/26/2016

Approved By:

Alan C. Johnson, Laboratory Director