

**Report To:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese, Mark June-Wells
& Kim Provera & Nancy Poltrack

47 Lower Main St
Portland CT 06480

Date Received: **4/13/2016**

Date Tested: **4/13/2016**
Laboratory Report#: **NCP060816-02**

Report Date: **6/08/2016**

E-Mail: rino.ferrarese@ctpharma.com
mark.june.wells@ctpharma.com
kim.provera@ctpharma.com
npoltrack@gmail.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	4/13/2016 14:20	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1665738-01</u>		
<u>Product Description:</u>	OC 0042		

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	4,300	per gram	PASS	100,000
Total Yeast & Mold Count	200	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	<100	per gram	PASS	1,000
Coliform	200	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: 4/13/2016

Approved By:

Alan C. Johnson, Laboratory Director

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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)

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<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	6/1/2016 14:40	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1666192-02</u>		
<u>Product Description:</u>	OC 0042		

<u>TERPENE PROFILE</u> (% Dry Weight)	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	---	%
b-myrcene	---	%
limonene	---	%
ocimene	---	%
terpinolene	---	%
linalool	0.01	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.05	%
humulene	---	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	---	%

	<u>Result</u>	<u>Units</u>
Density	1.0648	g/cm ³
Residual Alcohol	1.22	%

METHODS: GC, GC/MS

Comments:

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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

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

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<u>CANNABINOIDS (% weight)</u>		<u>Result</u>	<u>Units</u>
	CBDV	----	% weight
	CBDA	0.22	% weight
	CBGA	4.03	% weight
	CBG	0.58	% weight
	CBD	----	% weight
	THCV	----	% weight
	CBN	----	% weight
	THC	13.05	% weight
	CBC	0.76	% weight
	THCA	67.59	% weight

METHODS: HPLC**Comments:**

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