

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese,Mark June-Wells & Kim Provera

47 Lower Main St

Portland CT 06480

Date Received: Pg. 1-5 = 1/05/2016

Pg. 6 = 1/12/2016

Date Tested: 1/05/2016

Laboratory Report#: N1664766 – 36 (pg 1-5)

N1664819 – 03 (pg 6)

Report Date: 1/13/2016

E-Mail: rino.ferrarese@ctpharma.com
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kim.provo@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	1/05/2016 10:35
Collected by:	CA of NELabs
Laboratory ID #:	1664766 – 36
Product Description:	<u>SOG #100715 FLOWER</u>

<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: 1/05/2016

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

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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	<0.005	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>TERPENE PROFILE</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	0.06	%
b-myrcene	0.34	%
limonene	0.30	%
ocimene	---	%
terpinolene	0.04	%
linalool	0.05	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.37	%
humulene	0.09	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	0.04	%

METHODS: GC, GC/MS

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Product Description:	<u>SOG #100715 FLOWER</u>

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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Laboratory ID #:	1664766 – 36
Product Description:	<u>SOG #100715 FLOWER</u>

<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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Date Received: 1/15/2016

Date Tested: 1/18/2016

1st Emailed: 1/18/2016 by R.Picard

Laboratory Report#: N1664869 – 06

Report Date: 1/22/2016

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Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT	
Date Collected:	1/15/2016 11:40	Collected by: CA of NELabs
Laboratory ID #:	1664869 - 06	
Product Description:	BATCH #: SOG 100715 (tested as "SOG-C")	

<u>CANNABINOIDS (% weight)</u>	<u>1/15/16 Sample, as tested 1/18/2016</u>	
	<u>Result</u>	<u>Units</u>
CBDV	---	% weight
CBDA	---	% weight
CBGA	0.61	% weight
CBG	---	% weight
CBD	---	% weight
THCV	---	% weight
CBN	---	% weight
THC	1.22	% weight
CBC	---	% weight
THCA	23.50	% weight

METHODS: HPLC**Comments:**

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- Results 1st emailed to client by R.Picard on 1/18/2016

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