

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese47 Lower Main St
Portland CT 06480E-Mail: rino.ferrarese@ctpharma.com**Date Received:** 7/30/2015**Date Tested:** 7/30/2015**Laboratory Report#:** N1563082**Report Date:** 8/04/2015**Report Update:** 8/18/2015 ★★=see Product
Description Update

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	7/30/2015 09:30
Collected by:	CA of NELabs
Laboratory ID #:	1563082 – 03
	OC 0012
★ = Product Description:	= produced from Dark Shadow Flower (Depacan Flower) as rc'd @ NELabs 5/15/2015 = see 5/22/2015 Report #1562245-08

TERPENE PROFILE (% Dry Weight)	Result	Units
Monoterpenoids		
a-pinene	0.73	%
b-pinene	1.52	%
b-myrcene	4.18	%
limonene	3.25	%
ocimene	0.74	%
terpinolene	6.74	%
linalool	0.53	%
Sesquiterpenoids		
b-caryophyllene	4.06	%
humulene	1.46	%
trans-nerolidol	0.15	%
caryophyllene oxide	0.10	%
b-eudesmol	0.13	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/30/2015
- * = Note: Terpenes result was already emailed by R. Picard of NELabs on 7/30/15

Approved By:

Alan C. Johnson, Laboratory Director

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Date Received: 7/30/2015

Date Tested: 7/30/2015

Laboratory Report#: N1563082

Report Date: 8/04/2015

Report Update: 8/18/2015 ★

★ = see Product

Description Update

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★ = Product Description:	= produced from Dark Shadow Flower (Depacan Flower) as rc'd @ NELabs 5/15/2015 = see 5/22/2015 Report #1562245-08

CANNABINOIDS (% weight)		
	Result	Units
CBDA	0.76	% weight
CBG	1.07	% weight
CBD	0.11	% weight
CBN	0.15	% weight
THC	30.10	% weight
CBC	0.53	% weight
THCA	22.60	% weight

METHODS: HPLC**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 7/30/2015

* = Note: Cannabinoids result was already emailed by R. Picard of NELabs on 7/30/15

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Date Received: 5/15/2015**Date Tested:** 5/15/2015**Laboratory Report#:** N1562245**Report Date:** 5/22/2015**E-Mail:** rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	5/15/2015 11:00
Collected by:	CA of NELabs
Laboratory ID #:	1562245 – 08
Product Description:	DEPACAN FLOWER

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	120	per gram	PASS	100,000
Total Yeast & Mold Count	400	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: 5/15/2015

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Date Received: 5/15/2015

Date Tested: 5/20 to 5/22/2015

Laboratory Report#: N1562245

Report Date: 5/22/2015

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Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	5/15/2015 11:00
Collected by:	CA of NELabs
Laboratory ID #:	1562245 – 08
Product Description:	DEPACAN FLOWER

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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Collected by:	CA of NELabs
Laboratory ID #:	1562245 – 08
Product Description:	DEPACAN FLOWER

<u>TERPENE PROFILE</u> <u>(% Dry Weight)</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	0.080	%
b-pinene	0.130	%
b-myrcene	0.500	%
limonene	0.330	%
ocimene	0.340	%
terpinolene	1.180	%
linalool	0.080	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	0.490	%
humulene	0.080	%
trans-nerolidol	0.090	%
caryophyllene oxide	---	%
b-eudesmol	---	%

METHODS: GC, GC/MSComments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 5/15/2015

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

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Collected by:	CA of NELabs
Laboratory ID #:	1562245 – 08
Product Description:	<u>DEPACAN 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
Etiozazole	<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 - WHOComments:

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Product Description:	DEPACAN FLOWER

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:

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<u>Laboratory ID #:</u>	1562245 – 08
<u>Product Description:</u>	DEPACAN FLOWER

<u>CANNABINOIDS (% weight)</u>		
	<u>Result</u>	<u>Units</u>
CBDA	0.08	% weight
CBG	<0.01	% weight
CBD	<0.01	% weight
CBN	<0.01	% weight
THC	0.33	% weight
CBC	0.06	% weight
THCA	21.60	% weight

METHODS: HPLC**Comments:**

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