

**Report To:**

Theraplant LLC

Attn: Dan Emmans

856 Echo Lake Road

Watertown, CT 06795

Date Received: **06/27/2017**Date Tested: **06/29/2017**Laboratory Report#: **N1770549-09**E-Mail: dan@theraplant.comReport Date: **07/10/2017**

Sample Site: THERAPLANT
• 856 ECHO LAKE RD, WATERTOWN CT

Date Collected: 06/27/2017 11:00 **Collected by:** C. Appell of NELabs

Laboratory ID #: 1770549 – 07

Product Description: Lot 547

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	2,800	per gram	PASS	100,000
Total Yeast & Mold Count	4,000	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: 06/27/2017
- Tested Lot 547 A, combined Lot 546 and Lot 547

Approved By:

Alan C. Johnson, Laboratory Director



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Date Received: **06/27/2017**
Date Tested: **07/07 – 07/10 2017**
Laboratory Report#: **N1770549-09**

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Product Description: Lot 547

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)

Comments:

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Approved By:

Alan C. Johnson, Laboratory Director

Report To:

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



Northeast Laboratories, Inc.

Analytical Report

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Theraplant LLC
Attn: Dan Emmans
856 Echo Lake Road
Watertown, CT 06795

Date Received: **06/27/2017**
Date Tested: **07/06/2017**
Laboratory Report#: **N1770549-09**

E-Mail: dan@theraplant.com

Report Date: **07/10/2017**

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• 856 ECHO LAKE RD, WATERTOWN CT

Date Collected: 06/27/2017 11:00 Collected by: C. Appell of NELabs

Laboratory ID #: 1770549 – 09

Product Description: Lot 547

TERPENES (% Dry Weight)	Result	Units
a-pinene	---	%
b-pirene	---	%
b-myrcene	0.1	%
limonene	0.4	%
ocimene	---	%
linalool	0.4	%
b-caryophyllene	0.6	%
humulene	0.3	%

METHODS: GC, GC/MS

Comments:

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Date Collected: 06/27/2017 11:00 Collected by: C. Appell of NELabs

Laboratory ID #: 1770549 – 07

Product Description: Lot 547

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

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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)

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<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	----	% weight
CBGA	0.3	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
THC	0.4	% weight
CBC	----	% weight
THCA	19.1	% weight

METHODS: HPLC

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