

**Report To:**

Theraplant LLC

Attn: Dan Emmans

856 Echo Lake Road

Watertown, CT 06795

Date Received: **04/04/2017**Date Tested: **04/04/2017**Laboratory Report#: **N1769544-09**E-Mail: dan@theraplant.comReport Date: **04/14/2017**

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

Date Collected: 04/04/2017 10:30 **Collected by:** A.Johnson of NELabs

Laboratory ID #: 1769544 – 09

Product Description: Lot 514

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	2,000	per gram	PASS	100,000
Total Yeast & Mold Count	2,800	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	200	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: 04/04/2017

Approved By:

Alan C. Johnson, Laboratory Director



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Date Received: **04/04/2017**
Date Tested: **04/10 & 04/11 2017**
Laboratory Report#: N1769544-09

E-Mail: dan@theraplant.com

Report Date: **04/14/2017**

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• 856 ECHO LAKE RD, WATERTOWN CT

Date Collected: 04/04/2017 10:30 **Collected by:** A.Johnson of NELabs

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Product Description: Lot 514

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:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/04/2017

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: **04/04/2017**
Date Tested: **04/06/2017**
Laboratory Report#: **N1769544-09**

E-Mail: dan@theraplant.com

Report Date: **04/14/2017**

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

Date Collected: 04/04/2017 10:30 Collected by: A.Johnson of NELabs

Laboratory ID #: 1769544 – 09

Product Description: Lot 514

TERPENES (% Dry Weight)	Result	Units
a-pinene	---	%
b-pirene	---	%
b-myrcene	0.02	%
limonene	---	%
ocimene	---	%
linalool	---	%
b-caryophyllene	0.13	%
humulene	0.09	%

METHODS: GC, GC/MS

Comments:

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Alan C. Johnson, Laboratory Director

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Analytical Report

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

Date Tested: 04/12 & 4/13 2017
Laboratory Report#: N1769544-09

E-Mail: dan@theraplant.com

Report Date: 04/14/2017

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

Date Collected: 04/04/2017 10:30 Collected by: A.Johnson of NELabs

Laboratory ID #: 1769544 – 09

Product Description: Lot 514

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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Date Tested: **04/12/2017**
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E-Mail: dan@theraplant.com

Report Date: **04/14/2017**

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Date Collected: 04/04/2017 10:30 **Collected by:** A.Johnson of NELabs

Laboratory ID #: 1769544 – 09

Product Description: Lot 514

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>CANNABINOIDS (% weight)</u>		<u>Result</u>	<u>Units</u>
	CBDV	----	% weight
	CBDA	----	% weight
	CBGA	0.40	% weight
	CBG	----	% weight
	CBD	----	% weight
	THCV	----	% weight
	CBN	----	% weight
	THC	0.55	% weight
	CBC	----	% weight
	THCA	21.52	% weight

METHODS: HPLC**Comments:**

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