

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: *Rino Ferrarese, Ryan Picard**& Kim Provera & Nancy Poltrack*

47 Lower Main St

Portland CT 06480

Date Received: **08/16/2018**Date Tested: **08/17/2018**Laboratory Report#: **NCPS082318-01**Report Date: **08/23/2018**E-Mail: rino.ferrarese@ctpharma.comryan.picard@ctpharma.comkim.provo@ctpharma.comnpoltrack@ctpharma.com

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	08/16/2018 14:15	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1874846 – 06</u>		
<u>Product Description:</u>	LMS 031618		

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	<100,000	per gram	PASS	100,000
Total Yeast & Mold Count	<10,000	per gram	PASS	10,000
Bile Tolerant Gram Negative Bacteria	<1,000	per gram	PASS	1,000
Coliform	<1,000	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:** AltaSci E.coli (pathogenic strains) Salmonella spp. YMC, Coliforms, PAC, Gram NegativesComments:

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 08/16/2018
- All Microbiology tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

Approved By:

Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 www.nelabsct.com

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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:			
Parameter	Result	Units	Limits
Arsenic, Total	PASS	µg/kg BW/day	<4.206
Cadmium, Total	PASS	µg/kg BW/day	<2.704
Lead, Total	PASS	µg/kg BW/day	<8.712
Mercury, Total	PASS	µg/kg BW/day	<8.712

Daily Dose: 1 gram**Body Weight:** 50 kilograms**METHODS:** AltaSci Heavy Metals**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 08/16/2018
- Heavy Metals tested by AltaSci Labs, 1 Hartford Square, New Britain CT.


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EXPANDED TERPENES (% Dry Weight)	Result	Units
a-pinene	---	%
camphene	---	%
sabinene	---	%
b-pinene	0.15	%
b-myrcene	0.69	%
a-phellandrene	---	%
3-carene	---	%
a-terpinene	---	%
limonene	0.49	%
eucalyptol	---	%
ocimene	---	%
b-terpinene	---	%
terpineol	---	%
terpinolene	---	%
linalool	0.20	%
(+)-fenchone	---	%
L(-)-fenchone	---	%
fenchol	---	%
(-)-isopulegol	---	%
camphor	---	%
isoborneol	---	%
(-)-borneol	---	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 08/16/2018

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EXPANDED TERPENES (% Dry Weight)	Result	Units
menthol	---	%
geraniol	---	%
nerol	---	%
(+)-pulegol	---	%
trans-b-farnesene	---	%
geranyl acetate	---	%
a-cedrene	---	%
b-caryophyllene	0.58	%
b-farnesene	---	%
humulene	0.19	%
a-farnesene	---	%
valencene	---	%
cis-nerolidol	---	%
trans-nerolidol	---	%
guaiol	---	%
caryophyllene oxide	---	%
cedrol	---	%
b-eudesmol	---	%
a-bisabolol	---	%

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

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PESTICIDES**Parameter****Result**

Pesticides

PASS

METHODS: AltaSci Pesticides**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 08/16/2018
- Pesticides tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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<u>Product Description:</u>	LMS 031618		

MYCOTOXINS			
Parameter	Result	Units	Limits
Aflatoxin B1	PASS	µg/kg	20
Aflatoxin B2	PASS	µg/kg	20
Aflatoxin G1	PASS	µg/kg	20
Aflatoxin G2	PASS	µg/kg	20
Ochratoxin-A	PASS	µg/kg	20

METHODS: AltaSci Mycotoxins**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 08/16/2018
- Mycotoxins tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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<u>Date Collected:</u>	08/22/2018 14:20	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1874907 – 09</u>		
<u>Product Description:</u>	LMS 031618		

<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	----	% weight
CBGA	0.52	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	----	% weight
d9-THC	0.42	% weight
d8-THC	----	% weight
CBL	----	% weight
CBC	----	% weight
THCA	28.30	% weight

METHODS: HPLC**Comments:**

- Results are based on B- sample submitted to Northeast Laboratories, Inc. on: 08/22/2018


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