

**Report To:**

Connecticut Pharmaceutical Solutions

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

47 Lower Main St

Portland CT 06480

Date Received: **04/13/2018**Date Tested: **04/13 & 04/16 2018**Laboratory Report#: **NCPS071018-03**Report Date: **07/10/2018**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>	04/13/2018 10:45	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1873586-01</u>		
<u>Product Description:</u>	<u>DC 0012</u> (derived as follows : DC 0012 ← STK113017)		

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>	
Total Aerobic Microbial Count	950	per gram	PASS	100,000
Total Yeast & Mold Count	800	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, AltaSci E.coli (pathogenic strains) Salmonella spp.**Comments:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 04/13/2018
- * Enteropathic E.coli and Salmonella Species 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.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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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: 04/13/2018
- Heavy Metals tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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	• 47 LOWER MAIN STREET, PORTLAND CT		
<u>Date Collected:</u>	06/29/2018 14:45	Collected by: CA of NELabs	
<u>Laboratory ID #:</u>	<u>1874334-04</u>		
<u>Product Description:</u>	<u>DC 0012</u> (derived as follows : DC 0012 ← STK113017)		

EXPANDED TERPENES (% Dry Weight)	Result	Units
a-pinene	0.48	%
camphene	---	%
sabinene	---	%
b-pinene	0.13	%
b-myrcene	2.84	%
a-phellandrene	---	%
3-carene	---	%
a-terpinene	---	%
limonene	6.73	%
eucalyptol	---	%
ocimene	---	%
b-terpinene	---	%
terpineol	---	%
terpinolene	---	%
linalool	2.59	%
(+)-fenchone	---	%
L(-)-fenchone	---	%
fenchol	0.10	%
(-)-isopulegol	---	%
camphor	---	%
isoborneol	1.05	%
(-)-borneol	---	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/29/2018

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EXPANDED TERPENES (% Dry Weight)	Result	Units
menthol	---	%
geraniol	---	%
nerol	---	%
(+)-pulegol	---	%
trans-b-farnesene	0.10	%
geranyl acetate	---	%
a-cedrene	---	%
b-caryophyllene	6.40	%
b-farnesene	---	%
humulene	2.28	%
a-farnesene	---	%
valencene	---	%
cis-nerolidol	---	%
trans-nerolidol	---	%
guaiol	---	%
caryophyllene oxide	---	%
cedrol	---	%
b-eudesmol	---	%
a-bisabolol	---	%

Density	1.0136	g/cm ³
Residual Alcohol	1.64	%

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

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<u>PESTICIDES</u>	
<u>Parameter</u>	<u>Result</u>
Pesticides	PASS

METHODS: AltaSci Pesticides**Comments:**

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- Pesticides tested by AltaSci Labs, 1 Hartford Square, New Britain CT.


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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: 04/13/2018
- Mycotoxins tested by AltaSci Labs, 1 Hartford Square, New Britain CT.

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<u>CANNABINOIDS (% weight)</u>	<u>Result</u>	<u>Units</u>
CBDV	----	% weight
CBDA	----	% weight
CBGA	2.60	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	---	% weight
d9-THC	20.92	% weight
d8-THC	----	% weight
CBL	----	% weight
CBC	----	% weight
THCA	49.59	% weight

METHODS: HPLC**Comments:**

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