Analytical Report

Report To:
Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese, Ryan Picard
& Kim Provera & Nancy Poltrack
47 Lower Main St
Portland CT 06480

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Date Received: **04/13/2018**

Date Tested: **04/13 & 04/16 2018**

Laboratory Report#: **NCPS042518-03**

Report Date: **04/25/2018**

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**04/13/2018 10:45** **Collected by: CA of NELabs**
Laboratory ID #:	**1873586-01**
Product Description:	**STK 113017**

Parameter	Result	Units		Recommended Limits *
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

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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:
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- 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	0.06	%
b-myrcene	0.72	%
a-phellandrene	---	%
3-carene	---	%
a-terpinene	---	%
limonene	0.72	%
eucalyptol	---	%
ocimene	---	%
b-terpinene	---	%
terpineol	---	%
terpinolene	---	%
linalool	0.30	%
(+)-fenchone	---	%
L(-)fenchone	---	%
fenchol	---	%
(-)isopulegol	---	%
camphor	---	%
isoborneol	---	%
(-)-borneol	---	%

METHODS: **GC, GC/MS**

Comments:

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EXPANDED TERPENES (% Dry Weight)	**Result**	**Units**
menthol	---	%
geraniol	---	%
nerol	---	%
(+)-pulegol	---	%
trans-b-farnesene	---	%
geranyl acetate	---	%
a-cedrene	---	%
b-caryophyllene	0.27	%
b-farnesene	---	%
humulene	0.09	%
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:
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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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Report Date: **04/25/2018**

Sample Site:	**CONNECTICUT PHARMACEUTICAL SOLUTIONS** • **47 LOWER MAIN STREET, PORTLAND CT**
Date Collected:	**04/18/2018 14:30** **Collected by: CA of NELabs**
Laboratory ID #:	**1873626-01**
Product Description:	**STK 113017**

CANNABINOIDS (% weight)	Result	Units
CBDV	----	% weight
CBDA	----	% weight
CBGA	0.88	% weight
CBG	----	% weight
CBD	----	% weight
THCV	----	% weight
CBN	---	% weight
d9-THC	0.60	% weight
d8-THC	----	% weight
CBL	----	% weight
CBC	----	% weight
THCA	26.56	% weight

METHODS: **HPLC**

Comments:
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