



Report To:

Connecticut Pharmaceutical Solutions

Attn: Rino FerrareseMark June-Wells & Kim Provera47 Lower Main St
Portland CT 06480E-Mail: rino.ferrarese@ctpharma.com
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Date Received: 1/05/2016

Date Tested: 1/12/2016

1st Emailed: 1/13/2016 by R.Picard

Laboratory Report#: N1664766 – 29

Report Date: 1/28/2016

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT		
Date Collected:	1/05/2016 10:35	Collected by:	CA of NELabs
Laboratory ID #:	1664766 – 29		
Product Description:	★RS0024 = tracking # change from D0035 ★		
Note, per Mark June-Wells, Ph.D.'s 1-27-2016 email instructions, the above sample was:			
★ =	#RS0024 = Tracking # Change from Sample "D0035", which was received at NELabs 1/05/2016 as NEL Sample #1664766-29, tested 1/12/2016, and emailed by R.Picard on 1/13/2016 == see Cannabinoids results below		
•	derived from CPS's Sample: C0049 (potency only) which was received at NELabs 12/17/2015 as NEL Sample #1564626-02, tested 12/17/2015, and emailed by R.Picard 12/18/2015.		
•	derived from CPS's Sample: Critical Mass-Flower (a/k/a "CRIT032415 == per Mr. June-Well's 1/27/2016 email instructions).... which was received at NELabs 8/13/2016 as NEL Sample #1563269-01, tested 8/14/2015, emailed by R.Picard on 8-18-2015; and reported as page #6 in NELabs' Full Range Report released 8/21/2015.		
•	Results below are Report #N1664766-29= Sample RS0024 (formerly D0035) = as received 1/05/2016 / tested 1/12/2016		

CANNABINOIDS		1/05/16 "RS0024"	
(% weight)		Result	Units
CBDV		---	% weight
CBDA		---	% weight
CBGA		0.44	% weight
CBG		2.08	% weight
CBD		0.20	% weight
THCV		0.70	% weight
CBN		0.91	% weight
THC		73.00	% weight
CBC		1.67	% weight
THCA		0.30	% weight

METHODS: HPLC

Comments: Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 1/05/2016

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

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese

47 Lower Main St

Portland CT 06480

Date Received: 8/19/2015

Date Tested: 8/19/2015

Laboratory Report#: N1563356

Report Date: 8/24/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	8/19/2015 11:15
Collected by:	CA of NELabs
Laboratory ID #:	1563356 – 09
Product Description:	CRITICAL MASS #BT9 == RE-TEST of Total Yeast & Mold Count

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	2,000	per gram	PASS 10,000

*** 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: 8/19/2015

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Date Tested: 8/19/2015

Laboratory Report#: N1563356

Report Date: 8/24/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	8/19/2015 11:15
Collected by:	CA of NELabs
Laboratory ID #:	1563356 – 10
Product Description:	CRITICAL MASS #BT35 == RE-TEST of Total Yeast & Mold Count

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	1,400	per gram	PASS 10,000

*** 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:**

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Date Tested: 8/19/2015

Laboratory Report#: N1563356

Report Date: 8/24/2015

E-Mail: rino.ferrarese@ctpharma.com

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<u>Date Collected:</u>	8/19/2015 11:15
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563356 – 12
<u>Product Description:</u>	CRITICAL MASS #BT37 == RE-TEST of Total Yeast & Mold Count

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Yeast & Mold Count	1,600	per gram	PASS 10,000

*** 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 996.09Comments:

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Date Received: 8/13/2015

Date Tested: 8/13/2015

Laboratory Report#: N1563269

Report Date: 8/21/2015

E-Mail: rino.ferrarese@ctpharma.com

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	8/13/2015 10:30
Collected by:	CA of NELabs
Laboratory ID #:	1563269 – 01
Product Description:	CRITICAL MASS - FLOWER

<u>Parameter</u>	<u>Result</u>	<u>Units</u>		<u>Recommended Limits *</u>
Total Aerobic Microbial Count	400	per gram	PASS	100,000
Total Yeast & Mold Count	38,000	per gram	FAIL	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:**

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Laboratory ID #:	1563269 – 01
Product Description:	CRITICAL MASS - FLOWER

HEAVY METALS:				
Parameter	Result	Units		Limits
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	<0.0005	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)

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Collected by:	CA of NELabs
Laboratory ID #:	<u>1563269 - 01</u>
Product Description:	<u>CRITICAL MASS - FLOWER</u>

<u>TERPENE PROFILE</u>	<u>Result</u>	<u>Units</u>
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	0.16	%
b-myrcene	2.45	%
limonene	0.56	%
ocimene	---	%
terpinolene	---	%
linalool	0.51	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	1.16	%
humulene	0.25	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	0.05	%

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

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Laboratory ID #:	1563269 – 01
Product Description:	CRITICAL MASS - FLOWER

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
Chloromequat 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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Laboratory ID #:	1563269 – 01
Product Description:	CRITICAL MASS - FLOWER

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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