

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese,Mark June-Wells & Kim Provera

47 Lower Main St

Portland CT 06480

E-Mail: rino.ferrarese@ctpharma.com
mjunewells@aerlimnology.com
kim.provo@ctpharma.com

Date Received: 1/05/2016

Date Tested: 1/12/2016

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

Laboratory Report#: N1664766 – 28

Report Date: 1/20/2016

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 – 28
Product Description:	OC 0024
Note, per Mark June-Wells, Ph.D.'s 1-14-2016 email instructions, the above sample was: derived from CPS's Sample: SOUR-D #070115 (a/k/a "SRD070115" = per Mr. June-Well's 1/14/16 email) a) as reported in NELabs' Sour D #070115 Full Range Report #N1563967 - 05 b) with the Potency/Cannabinoids == received 10/07/2015, tested 10/13/2015, emailed 1st on 10/14/15 and the typed Full Range Report issued 10/15/2015, including COA results == page 6 therein. c) Results below are #N1664766-28, per sample #OC 0024 as received 1/05/2016 / tested 1/12/2016	

<u>CANNABINOIDS</u> <u>(% weight)</u>	<u>1/05/16 Sample,</u> <u>as tested 1/12/2016</u>	<u>Result</u>	<u>Units</u>
CBDV	---		% weight
CBDA	0.59		% weight
CBGA	1.38		% weight
CBG	0.41		% weight
CBD	---		% weight
THCV	---		% weight
CBN	---		% weight
THC	11.00		% weight
CBC	0.22		% weight
THCA	70.90		% 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.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

**Report To:**

Connecticut Pharmaceutical Solutions
Attn: Rino Ferrarese
47 Lower Main St
Portland CT 06480

Date Received: 10/07/2015

Date Tested: 10/07/2015

Laboratory Report#: N1563967

Report Date: 10/15/2015

E-Mail: rino.ferrarese@ctpharma.com**★Report Update:** 10/29/2015 = see Pg#7

Cannabinoids == updated with
10/23/15's SRD-Batch#070115
(Rpt #N1564147-09) results

<u>Sample Site:</u>	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
<u>Date Collected:</u>	10/07/2015 11:10
<u>Collected by:</u>	CA of NELabs
<u>Laboratory ID #:</u>	1563967 – 05
<u>Product Description:</u>	SOUR D #070115 (also named as: SRD-Batch #070115)

Sample #N1563967 - 05 (Sour D #070115) was received on 10/07/2015 for full range analysis, including Cannabinoids tested 10/13/2015; and the results for which were emailed directly to you on 10/14/2015 by Ryan Picard of Northeast Laboratories, and included in the full range report #N1563967-05, dated 10/15/2015.

Sample #N1564147 – 09 (SRD – Batch #070115) was received on 10/23/2015 for Cannabinoids; tested on 10/26/2015; and the results for which were emailed directly to you on 10/27/2015 by Ryan Picard of Northeast Laboratories. A typed COA was also prepared for this sample and reported to you on 10/28/2015.

Rino Ferrarese's 10/28/2015 E-Mail, requested that the Cannabinoids results on the full range Sour D #070115 report #N1563967-05 should be blended (merged) with the 10/23/2015 SRD-Batch #070115 Cannabinoids results on report #N1564147-09 for this product. As such, Northeast Laboratories' Cannabinoids Report #N1564147-09 would not need to be tested for 'full release', as merging only the Cannabinoids result would not create problems or changes of note on the original report.

Therefore, following is NELabs' 10/29/2015 BLENDED / MERGED Results Report #N1563967-05 for Sour D #070115 updated with Report #N1564147-09's Cannabinoids results (see page #7 herein)

Please feel free to contact us with any questions, concerns or comments.

Approved By:

Alan C. Johnson, Laboratory Director

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Date Received: 10/07/2015

Date Tested: 10/07/2015

Laboratory Report#: N1563967

Report Date: 10/15/2015

E-Mail: rino.ferrarese@ctpharma.com**★Report Update:** 10/29/2015 = see Pg#7

Cannabinoids == updated with
10/23/15's SRD-Batch#070115
(Rpt #N1564147-09) results

Sample Site:	CONNECTICUT PHARMACEUTICAL SOLUTIONS • 47 LOWER MAIN STREET, PORTLAND CT
Date Collected:	10/07/2015 11:10
Collected by:	CA of NELabs
Laboratory ID #:	1563967 – 05
Product Description:	SOUR D #070115 (also named as: SRD-Batch #070115)

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Recommended Limits *</u>
Total Aerobic Microbial Count	700	per gram	PASS 100,000
Total Yeast & Mold Count	<100	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, FDA-BAM, AOAC 996.09**Comments:**

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Report Date: 10/15/2015

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Laboratory ID #:	1563967 - 05
Product Description:	SOUR D #070115 (also named as: SRD-Batch #070115)

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)

Comments:

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E-Mail: rino.ferrarese@ctpharma.com★Report Update: 10/29/2015 = see Pg#7Cannabinoids == updated with
10/23/15's SRD-Batch#070115
(Rpt #N1564147-09) results

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Laboratory ID #:	1563967 - 05
Product Description:	SOUR D #070115 (also named as: SRD-Batch #070115)

TERPENE PROFILE (% Dry Weight)	Result	Units
<u>Monoterpenoids</u>		
a-pinene	---	%
b-pinene	0.10	%
b-myrcene	0.26	%
limonene	0.37	%
ocimene	---	%
terpinolene	0.09	%
linalool	0.32	%
<u>Sesquiterpenoids</u>		
b-caryophyllene	1.61	%
humulene	0.42	%
trans-nerolidol	---	%
caryophyllene oxide	---	%
b-eudesmol	---	%

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 10/07/2015

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Product Description:	SOUR D #070115 (also named as: SRD-Batch #070115)

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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MYCOTOXINS				
Parameter	Result	Units		Limits
<i>Method: USP 561-II</i>				
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
<i>Method: USP 561-II (Mod)</i>				
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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