

**Report To:**

Connecticut Pharmaceutical Solutions

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

47 Lower Main St

Portland CT 06480

Date Received: 1/05/2016

Date Tested: 1/12/2016

1<sup>st</sup> Emailed: 1/12/2016 by R.Picard

Laboratory Report#: N1664766 – 32

Report Date: 1/14/2016

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Sample Site:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b>Date Collected:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1/05/2016 10:35                                                             |
| <b>Collected by:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CA of NELabs                                                                |
| <b>Laboratory ID #:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1664766 – 32                                                                |
| <b>Product Description:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | LMS-082015 KIEF                                                             |
| <b>Note, per Kim Provera's 1-13-2016 email instructions, the above sample was:</b> <ul style="list-style-type: none"><li>derived from CPS's Sample: Lemon Skunk ==LMS 082015<ul style="list-style-type: none"><li>a) as reported in NELabs' 12-16-2015 Full Range Report #N1564541-10</li><li>b) with the Potency/Cannabinoids results reported (on page 6 therein) per NELabs' #N1564567-08 for Lemon Skunk = LMS 082015 which was received 12/10/2015 and tested 12/11/2016</li><li>c) Results below per sample #LMS082015, as received 1/05/2016 / tested 1/12/2016</li></ul></li></ul> |                                                                             |

| <u>CANNABINOIDS (% weight)</u> | <u>1/05/16 Sample,<br/>as tested 1/12/2016</u> |              |
|--------------------------------|------------------------------------------------|--------------|
|                                | <u>Result</u>                                  | <u>Units</u> |
| CBDV                           | ----                                           | % weight     |
| CBDA                           | ----                                           | % weight     |
| CBGA                           | 0.48                                           | % weight     |
| CBG                            | ----                                           | % weight     |
| CBD                            | ----                                           | % weight     |
| THCV                           | ----                                           | % weight     |
| CBN                            | ----                                           | % weight     |
| THC                            | 2.20                                           | % weight     |
| CBC                            | ----                                           | % weight     |
| THCA                           | 45.87                                          | % 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.nelabset.com](http://www.nelabset.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: 12/08/2015

Date Tested: 12/08/2015

Laboratory Report#: N1564541 - 10

Report Date: 12/16/2015

**E-Mail:** rino.ferrarese@ctpharma.com

**NOTE: CANNABINOIDS & TERPENE PROFILE per Lab.**  
**Rpt#1564567-08 sample (as rc'd 12/10/15) = see pages 4 & 7**

**NOTE: YEAST & MOLD COUNT Results per Re-Tests Lab**  
**Rpt#1564596-(01-03) samples (as rc'd 12/14/15) = see page #2**

|                                    |                                                                             |
|------------------------------------|-----------------------------------------------------------------------------|
| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b><u>Date Collected:</u></b>      | 12/08/2015 10:10                                                            |
| <b><u>Collected by:</u></b>        | CA of NELabs                                                                |
| <b><u>Laboratory ID #:</u></b>     | 1564541 - 10                                                                |
| <b><u>Product Description:</u></b> | <b><u>Lemon Skunk == LMS 082015</u></b>                                     |

| <b><u>Parameter</u></b>              | <b><u>Result</u></b> | <b><u>Units</u></b> |      | <b><u>Recommended Limits *</u></b> |
|--------------------------------------|----------------------|---------------------|------|------------------------------------|
| Total Aerobic Microbial Count        | 3,300                | per gram            | PASS | 100,000                            |
| 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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/08/2015

Approved By:

Alan C. Johnson, Laboratory Director

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**Attn: Rino Ferrarese**  
47 Lower Main St  
Portland CT 06480

Date Received: 12/08/2015

Date Tested: 12/08/2015

Laboratory Report#: N1564541 - 10

Report Date: 12/16/2015

**E-Mail:** rino.ferrarese@ctpharma.com

**NOTE: YEAST & MOLD COUNT Results per Re-Tests Lab**  
**Rpt#1564596-(01-03) samples (as rc'd 12/14/15)**

|                                    |                                                                             |
|------------------------------------|-----------------------------------------------------------------------------|
| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b><u>Date Collected:</u></b>      | 12/14/2015 10:40                                                            |
| <b><u>Collected by:</u></b>        | CA of NELabs                                                                |
| <b><u>Laboratory ID #:</u></b>     | 1564596 - 01                                                                |
| <b><u>Product Description:</u></b> | Lemon Skunk == LMS 082015                                                   |

| <b><u>Parameter</u></b>  | <b><u>Result</u></b> | <b><u>Units</u></b> | <b><u>Recommended Limits *</u></b> |
|--------------------------|----------------------|---------------------|------------------------------------|
| Total Yeast & Mold Count | 500                  | per gram            | PASS 10,000                        |

|                                |              |
|--------------------------------|--------------|
| <b><u>Laboratory ID #:</u></b> | 1564596 - 02 |
|--------------------------------|--------------|

| <b><u>Parameter</u></b>  | <b><u>Result</u></b> | <b><u>Units</u></b> | <b><u>Recommended Limits *</u></b> |
|--------------------------|----------------------|---------------------|------------------------------------|
| Total Yeast & Mold Count | 200                  | per gram            | PASS 10,000                        |

|                                |              |
|--------------------------------|--------------|
| <b><u>Laboratory ID #:</u></b> | 1564596 - 03 |
|--------------------------------|--------------|

| <b><u>Parameter</u></b>  | <b><u>Result</u></b> | <b><u>Units</u></b> | <b><u>Recommended Limits *</u></b> |
|--------------------------|----------------------|---------------------|------------------------------------|
| Total Yeast & Mold Count | 500                  | 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: 12/08/2015

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

Date Received: 12/08/2015

Date Tested: 12/10/2015

Laboratory Report#: N1564541 - 10

Report Date: 12/16/2015

**E-Mail:** rino.ferrarese@ctpharma.com

|                             |                                                                             |
|-----------------------------|-----------------------------------------------------------------------------|
| <b>Sample Site:</b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b>Date Collected:</b>      | 12/08/2015 10:10                                                            |
| <b>Collected by:</b>        | CA of NELabs                                                                |
| <b>Laboratory ID #:</b>     | 1564541 - 10                                                                |
| <b>Product Description:</b> | <u>Lemon Skunk == LMS 082015</u>                                            |

| <b>HEAVY METALS:</b> |               |              |      |               |
|----------------------|---------------|--------------|------|---------------|
| <b>Parameter</b>     | <b>Result</b> | <b>Units</b> |      | <b>Limits</b> |
| 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       | <0.005        | 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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Portland CT 06480

**E-Mail:** rino.ferrarese@ctpharma.com**Date Received:** 12/08/2015**Date Tested:** 12/10/2015**Laboratory Report#:** N1564541 – 10

== per N1564567 - 08

**Report Date:** 12/16/2015

**NOTE: TERPENE PROFILE per Lab. Rpt#1564567-08 sample**  
**(as rc'd 12/10/15) = see below)**

|                                    |                                                                             |
|------------------------------------|-----------------------------------------------------------------------------|
| <b><u>Sample Site:</u></b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b><u>Date Collected:</u></b>      | 12/10/2015 10:55                                                            |
| <b><u>Collected by:</u></b>        | CA of NELabs                                                                |
| <b><u>Laboratory ID #:</u></b>     | 1564567 - 08                                                                |
| <b><u>Product Description:</u></b> | <b><u>Lemon Skunk == LMS 082015</u></b>                                     |

| <b><u>TERPENE PROFILE</u></b><br><b><u>(% Dry Weight)</u></b> | <b><u>Result</u></b> | <b><u>Units</u></b> |
|---------------------------------------------------------------|----------------------|---------------------|
| <b><u>Monoterpenoids</u></b>                                  |                      |                     |
| a-pinene                                                      | 0.03                 | %                   |
| b-pinene                                                      | 0.06                 | %                   |
| b-myrcene                                                     | 0.31                 | %                   |
| limonene                                                      | 0.25                 | %                   |
| ocimene                                                       | ---                  | %                   |
| terpinolene                                                   | 0.05                 | %                   |
| linalool                                                      | 0.03                 | %                   |
| <b><u>Sesquiterpenoids</u></b>                                |                      |                     |
| b-caryophyllene                                               | 0.21                 | %                   |
| humulene                                                      | 0.05                 | %                   |
| trans-nerolidol                                               | ---                  | %                   |
| caryophyllene oxide                                           | ---                  | %                   |
| b-eudesmol                                                    | 0.03                 | %                   |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/08/2015

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|-----------------------------|-----------------------------------------------------------------------------|
| <b>Sample Site:</b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b>Date Collected:</b>      | 12/08/2015 10:10                                                            |
| <b>Collected by:</b>        | CA of NELabs                                                                |
| <b>Laboratory ID #:</b>     | 1564541 - 10                                                                |
| <b>Product Description:</b> | Lemon Skunk == LMS 082015                                                   |

| 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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|-----------------------------|-----------------------------------------------------------------------------|
| <b>Sample Site:</b>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |
| <b>Date Collected:</b>      | 12/08/2015 10:10                                                            |
| <b>Collected by:</b>        | CA of NELabs                                                                |
| <b>Laboratory ID #:</b>     | 1564541 - 10                                                                |
| <b>Product Description:</b> | <u>Lemon Skunk == LMS 082015</u>                                            |

| <b>MYCOTOXINS</b>               |               |              |      |               |
|---------------------------------|---------------|--------------|------|---------------|
| <b>Parameter</b>                | <b>Result</b> | <b>Units</b> |      | <b>Limits</b> |
| <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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/08/2015

**Approved By:**

Alan C. Johnson, Laboratory Director