

**Report To:**

Connecticut Pharmaceutical Solutions

Attn: Rino Ferrarese, Ryan Picard& Kim Provera

47 Lower Main St

Portland CT 06480

Date Received: **12/02/2019**Date Tested: **12/02/2019**Laboratory Report#: **NCPS121719-01**Report Date: **12/17/2019**E-Mail: [rino.ferrarese@ctpharma.com](mailto:rino.ferrarese@ctpharma.com)[ryan.picard@ctpharma.com](mailto:ryan.picard@ctpharma.com)[kim.provo@ctpharma.com](mailto:kim.provo@ctpharma.com)

|                             |                                                                             |       |                            |
|-----------------------------|-----------------------------------------------------------------------------|-------|----------------------------|
| <u>Sample Site:</u>         | CONNECTICUT PHARMACEUTICAL SOLUTIONS<br>• 47 LOWER MAIN STREET, PORTLAND CT |       |                            |
| <u>Date Collected:</u>      | 12/02/2019                                                                  | 12:40 | Collected by: CA of NELabs |
| <u>Laboratory ID #:</u>     | <u>1979707-02</u>                                                           |       |                            |
| <u>Product Description:</u> | BMK 081419-F5                                                               |       |                            |

| <u>Parameter</u>                     | <u>Result</u> | <u>Units</u> | <u>Recommended Limits *</u> |              |
|--------------------------------------|---------------|--------------|-----------------------------|--------------|
| Total Aerobic Microbial Count        | <100          | 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:**

- Results are based on samples submitted to Northeast Laboratories, Inc. on: 12/02/2019

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:**

Connecticut Pharmaceutical Solutions

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

47 Lower Main St

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Date Received: 12/02/2019

Date Tested: 12/03 – 12/06 2019

Laboratory Report#: **NCPS121719-01**

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|                                    |                                                                             |       |                            |
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| <b><u>Laboratory ID #:</u></b>     | <u>1979707-02</u>                                                           |       |                            |
| <b><u>Product Description:</u></b> | BMK 081419-F5                                                               |       |                            |

| <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       | <0.007        | µg/kg BW/day | PASS | <0.09         |
| Lead, Total          | <0.25         | 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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/02/2019

Approved By:

Alan C. Johnson, Laboratory Director

Northeast Laboratories, Inc. 129 Mill Street Berlin, CT 06037 [www.nelabsct.com](http://www.nelabsct.com)

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CT Cert. #PH-0404 EPA Cert. #CT-024 USDA Cert. #0976 FDA Reg. #086650488 DEA Reg.: Federal #RN0281852 + CT #624

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Date Tested: 12/05/2019

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| <b><u>Laboratory ID #:</u></b>     | <b><u>1979707-02</u></b>                                                           |              |                                   |
| <b><u>Product Description:</u></b> | <b>BMK 081419-F5</b>                                                               |              |                                   |

| <b>EXPANDED TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|---------------------------------------------------|---------------|--------------|
| a-pinene                                          | <0.1          | %            |
| camphene                                          | ---           | %            |
| b-pinene                                          | <0.1          | %            |
| b-myrcene                                         | 0.16          | %            |
| 3-carene                                          | ---           | %            |
| a-terpinene                                       | ---           | %            |
| p-cymene                                          | ---           | %            |
| limonene                                          | 0.11          | %            |
| ocimene                                           | 0.18          | %            |
| y-terpinene                                       | ---           | %            |
| terpinolene                                       | 0.51          | %            |
| linalool                                          | ---           | %            |
| (-)-isopulegol                                    | ---           | %            |
| geraniol                                          | ---           | %            |
| b-caryophyllene                                   | 0.27          | %            |
| humulene                                          | <0.1          | %            |
| cis-nerolidol                                     | ---           | %            |
| trans-nerolidol                                   | ---           | %            |
| guaial                                            | ---           | %            |
| a-bisabolol                                       | 0.13          | %            |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 12/02/2019

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Alan C. Johnson, Laboratory Director

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| <b><u>Product Description:</u></b> | BMK 081419-F5                                                               |       |                            |

| <u>PESTICIDES</u> |               |
|-------------------|---------------|
| <u>Parameter</u>  | <u>Result</u> |
| Bifenazate        | PASS          |
| Bifenthrin        | PASS          |
| Cyfluthrin        | PASS          |
| Etoxazole         | PASS          |
| Imazalil          | PASS          |
| Imidacloprid      | PASS          |
| Myclobutanil      | PASS          |
| Pyrethrum         | PASS          |
| Spiromesifen      | PASS          |
| Trifloxystrobin   | PASS          |

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| <b><u>Laboratory ID #:</u></b>     | <u>1979707-02</u>                                                           |       |                            |
| <b><u>Product Description:</u></b> | BMK 081419-F5                                                               |       |                            |

| <u>MYCOTOXINS</u>               |               |              |               |
|---------------------------------|---------------|--------------|---------------|
| <u>Parameter</u>                | <u>Result</u> | <u>Units</u> | <u>Limits</u> |
| <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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| <b><u>Date Collected:</u></b>      | 12/13/2019                                                                  | 12:40 | Collected by: WC of NELabs |
| <b><u>Laboratory ID #:</u></b>     | <u>1979813-04</u>                                                           |       |                            |
| <b><u>Product Description:</u></b> | BMK 081419-F5                                                               |       |                            |

| <u>CANNABINOIDS (% weight)</u> | <u>Result</u> | <u>Units</u> |
|--------------------------------|---------------|--------------|
| CBDV                           | ----          | % weight     |
| CBDA                           | ----          | % weight     |
| CBGA                           | 2.20          | % weight     |
| CBG                            | ----          | % weight     |
| CBD                            | ----          | % weight     |
| THCV                           | ----          | % weight     |
| CBN                            | 0.16          | % weight     |
| THC                            | 0.23          | % weight     |
| CBL                            | ----          | % weight     |
| CBC                            | ----          | % weight     |
| THCA                           | 27.18         | % weight     |

**METHODS:** HPLC**Comments:**

- Results are based on a B - sample submitted to Northeast Laboratories, Inc. on: 12/13/2019

Approved By:

Alan C. Johnson, Laboratory Director