

Advanced Grow Labs 400 Frontage Road West Haven, CT 06516

## Sativarin A VPen

250

NDC: 3375

Batch: AGL-TG-F3H11-170626-OP  
Ingredients: Cannabis Oil, Polyethylene Glycol.

Packaging Date: 07/19/2017 Net Wt: 0.38 g  
Expiration Date: 07/18/2018 0.01 oz  
Testing Date: 07/18/2017  
Flower Equivalence: 0.96 grams  
Microbiology, Mycotoxins, Heavy Metals,  
Pesticides - ALL PASS

### Contains Terpenes:

|           |          |                 |          |
|-----------|----------|-----------------|----------|
| a-Pinene  | < 0.01 % | Odorless        | < 0.01 % |
| B-Pinene  | < 0.01 % | Linalool        | 0.32 %   |
| B-Myrcene | 0.12 %   | B-Caryophyllene | 1.13 %   |
| Limonene  | 0.17 %   | Humulene        | 0.48 %   |

### Cannabinoid Content per Unit:

|           |           |           |           |         |         |         |         |
|-----------|-----------|-----------|-----------|---------|---------|---------|---------|
| THC-A     | THC       | CBD-A     | CBD       | CBG-A   | CBG     | CBN     | CBC     |
| < 0.38 mg | 239.32 mg | < 0.38 mg | < 0.38 mg | 0.72 mg | 2.20 mg | 1.52 mg | 2.39 mg |
| < 0.1 %   | 62.98 %   | < 0.1 %   | < 0.1 %   | 0.19 %  | 0.58 %  | 0.40 %  | 0.63 %  |

Sativarin A VPen 250

NDC: 3375 Expiration: 7/18/18

See packaging for more info

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **7/11/2017**Date Tested: **7/18/2017**Laboratory Report#: **N1770698-04****E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)**Report Date: **07/19/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 07/11/2017 11:04 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | 1770698 – 04                                            |                                  |  |
| <u>Product Description:</u> | TG-F3H11-170626 – OP                                    |                                  |  |

| <b>TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|------------------------------------------|---------------|--------------|
| a-pinene                                 | <0.01         | %            |
| b-pirene                                 | <0.01         | %            |
| b-myrcene                                | 0.12          | %            |
| limonene                                 | 0.17          | %            |
| ocimene                                  | <0.01         | %            |
| linalool                                 | 0.32          | %            |
| b-caryophyllene                          | 1.13          | %            |
| humulene                                 | 0.48          | %            |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/11/2017

Approved By:

**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **7/11/2017**Date Tested: **7/18/2017**Laboratory Report#: **N1770698-04****E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)**Report Date: **07/19/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 07/11/2017 11:04 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | 1770698 – 04                                            |                                  |  |
| <u>Product Description:</u> | TG-F3H11-170626 – OP                                    |                                  |  |

| <b>CANNABINOIDS (% weight)</b> | <b>Result</b> | <b>Units</b> |
|--------------------------------|---------------|--------------|
| CBDA                           | <0.1          | % weight     |
| CBGA                           | 0.19          | % weight     |
| CBG                            | 0.58          | % weight     |
| CBD                            | <0.1          | % weight     |
| CBN                            | 0.40          | % weight     |
| THC                            | 62.98         | % weight     |
| CBC                            | 0.63          | % weight     |
| THCA                           | <0.1          | % weight     |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/11/2017

  
**Approved By:**  
**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **7/11/2017**Date Tested: **7/18/2017**Laboratory Report#: **N1770698-04****E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)**Report Date: **07/19/2017**

|                             |                                                         |
|-----------------------------|---------------------------------------------------------|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |
| <u>Date Collected:</u>      | 07/11/2017 11:04 AM Collected by: W. Clark of NELabs    |
| <u>Laboratory ID #:</u>     | 1770698 – 04                                            |
| <u>Product Description:</u> | TG-F3H11-170626 – OP                                    |

| <b>CANNABINOIDS (mg per 380 mg)</b> | <b>Result</b> | <b>Units</b> |
|-------------------------------------|---------------|--------------|
| CBDA                                | <0.38         | mg per 380mg |
| CBGA                                | 0.72          | mg per 380mg |
| CBG                                 | 2.20          | mg per 380mg |
| CBD                                 | <0.38         | mg per 380mg |
| CBN                                 | 1.52          | mg per 380mg |
| THC                                 | 239.32        | mg per 380mg |
| CBC                                 | 2.39          | mg per 380mg |
| THCA                                | <0.38         | mg per 380mg |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 07/11/2017

  
**Approved By: Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **6/28/2017**Date Tested: **6/28/2017**Laboratory Report#: **N1770563-01**E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)Report Date: **07/10/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |                                  |  |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |                                  |  |

| <b>Parameter</b>                     | <b>Result</b> | <b>Units</b> |      | <b>Recommended Limits *</b> |
|--------------------------------------|---------------|--------------|------|-----------------------------|
| 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 sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

Approved By:

Alan C. Johnson, Laboratory Director



**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516****Date Received: 6/28/2017****Date Tested: 7/07 – 7/10 2017****Laboratory Report#: N1770563-01****E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)****Report Date: 07/10/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |                                  |  |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |                                  |  |

**HEAVY METALS:**

| <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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

**Approved By:****Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516**Date Received: **6/28/2017**Date Tested: **7/06/2017**Laboratory Report#: **N1770563-01**E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)Report Date: **07/10/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |                                  |  |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |                                  |  |

| <b>TERPENES</b><br><b>(% Dry Weight)</b> | <b>Result</b> | <b>Units</b> |
|------------------------------------------|---------------|--------------|
| a-pinene                                 | <0.01         | %            |
| b-pirene                                 | <0.01         | %            |
| b-myrcene                                | <0.01         | %            |
| limonene                                 | <0.01         | %            |
| ocimene                                  | <0.01         | %            |
| linalool                                 | <0.01         | %            |
| b-caryophyllene                          | 1.13          | %            |
| humulene                                 | 0.64          | %            |

  

|                  |      |   |
|------------------|------|---|
| Residual Alcohol | 0.06 | % |
|------------------|------|---|

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

  
Approved By: **Alan C. Johnson, Laboratory Director**



**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516****Date Received: 6/28/2017****Date Tested: 7/07 – 7/08 2017****Laboratory Report#: N1770563-01****E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)****Report Date: 07/10/2017**

|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| <b>Sample Site:</b>         | <b>ADVANCED GROW LABS</b><br>• 400 FRONTAGE RD., WEST HAVEN CT     |
| <b>Date Collected:</b>      | <b>06/28/2017 11:45 AM</b> Collected by: <b>W. Clark of NELabs</b> |
| <b>Laboratory ID #:</b>     | <b>1770563 – 01</b>                                                |
| <b>Product Description:</b> | <b>TG-F3H11-170626-O</b>                                           |

| 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:**

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

Approved By:

Alan C. Johnson, Laboratory Director

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **6/28/2017**Date Tested: **7/07/2017**Laboratory Report#: **N1770563-01**E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)Report Date: **07/10/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |                                  |  |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |                                  |  |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

Approved By:

**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Loneragan****400 Frontage Rd****West Haven, CT 06516**Date Received: **6/28/2017**Date Tested: **7/05/2017**Laboratory Report#: **N1770563-01**E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)Report Date: **07/10/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |                                  |  |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |                                  |  |

| <b>CANNABINOIDS (% weight)</b> | <b>Result</b> | <b>Units</b> |
|--------------------------------|---------------|--------------|
| CBDA                           | <0.1          | % weight     |
| CBGA                           | 0.43          | % weight     |
| CBG                            | 0.85          | % weight     |
| CBD                            | <0.1          | % weight     |
| CBN                            | <0.1          | % weight     |
| THC                            | 79.54         | % weight     |
| CBC                            | 0.80          | % weight     |
| THCA                           | <0.1          | % weight     |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

Approved By:

**Alan C. Johnson, Laboratory Director**

**Report To:****ADVANCED GROW LABS****Attn: Elaine Lonergan****400 Frontage Rd****West Haven, CT 06516****Date Received: 6/28/2017****Date Tested: 7/05/2017****Laboratory Report#: N1770563-01****E-Mail: [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)****Report Date: 07/10/2017**

|                             |                                                         |                                  |  |
|-----------------------------|---------------------------------------------------------|----------------------------------|--|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |                                  |  |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM                                     | Collected by: W. Clark of NELabs |  |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |                                  |  |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |                                  |  |

| <b>CANNABINOIDS (mg per 280 mg)</b> | <b>Result</b> | <b>Units</b> |
|-------------------------------------|---------------|--------------|
| CBDA                                | <0.28         | mg per 280mg |
| CBGA                                | 1.20          | mg per 280mg |
| CBG                                 | 2.38          | mg per 280mg |
| CBD                                 | <0.28         | mg per 280mg |
| CBN                                 | <0.28         | mg per 280mg |
| THC                                 | 222.71        | mg per 280mg |
| CBC                                 | 2.24          | mg per 280mg |
| THCA                                | <0.28         | mg per 280mg |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

  
**Approved By: Alan C. Johnson, Laboratory Director**



**Report To:**

ADVANCED GROW LABS

**Attn:** Elaine Loneragan

400 Frontage Rd

West Haven, CT 06516

Date Received: **6/28/2017**Date Tested: **7/05/2017**Laboratory Report#: **N1770563-01****E-Mail:** [elonergan@advancedgrowlabs.com](mailto:elonergan@advancedgrowlabs.com)Report Date: **07/10/2017**

|                             |                                                         |
|-----------------------------|---------------------------------------------------------|
| <u>Sample Site:</u>         | ADVANCED GROW LABS<br>• 400 FRONTAGE RD., WEST HAVEN CT |
| <u>Date Collected:</u>      | 06/28/2017 11:45 AM Collected by: W. Clark of NELabs    |
| <u>Laboratory ID #:</u>     | <u>1770563 – 01</u>                                     |
| <u>Product Description:</u> | <u>TG-F3H11-170626-O</u>                                |

| <u>CANNABINOIDS (mg per 420 mg)</u> | <u>Result</u> | <u>Units</u> |
|-------------------------------------|---------------|--------------|
| CBDA                                | <0.42         | mg per 420mg |
| CBGA                                | 1.81          | mg per 420mg |
| CBG                                 | 3.57          | mg per 420mg |
| CBD                                 | <0.42         | mg per 420mg |
| CBN                                 | <0.42         | mg per 420mg |
| THC                                 | 334.07        | mg per 420mg |
| CBC                                 | 3.36          | mg per 420mg |
| THCA                                | <0.42         | mg per 420mg |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

  
Approved By: Alan C. Johnson, Laboratory Director



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|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| <b>Sample Site:</b>         | <b>ADVANCED GROW LABS</b><br>• <b>400 FRONTAGE RD., WEST HAVEN CT</b> |
| <b>Date Collected:</b>      | <b>06/28/2017 11:45 AM</b> Collected by: <b>W. Clark of NELabs</b>    |
| <b>Laboratory ID #:</b>     | <b>1770563 – 01</b>                                                   |
| <b>Product Description:</b> | <b>TG-F3H11-170626-O</b>                                              |

| <b>CANNABINOIDS (mg per 530 mg)</b> | <b>Result</b> | <b>Units</b> |
|-------------------------------------|---------------|--------------|
| CBDA                                | <0.53         | mg per 530mg |
| CBGA                                | 2.28          | mg per 530mg |
| CBG                                 | 4.51          | mg per 530mg |
| CBD                                 | <0.53         | mg per 530mg |
| CBN                                 | <0.53         | mg per 530mg |
| THC                                 | 421.56        | mg per 530mg |
| CBC                                 | 4.24          | mg per 530mg |
| THCA                                | <0.53         | mg per 530mg |

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

- Results are based on sample/s submitted to Northeast Laboratories, Inc. on: 06/28/2017

  
Approved By: **Alan C. Johnson, Laboratory Director**



