



# Certificate of Analysis

Sample:AL30328003-003  
Harvest/Lot ID: 7702  
Batch#: 7702  
Seed to Sale# GrowFlow  
Sample Size Received: 20 units  
Total Amount: 1136 units  
Retail Product Size: 3.5 gram  
Sampled : 03/27/23

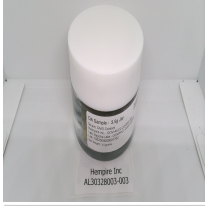
**PASSED**

Apr 06, 2023 | Hempire Inc

556 Empire Road  
Copake, NY, 12516, US

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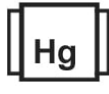
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
NOT TESTED



Filtration  
**PASSED**



Water Activity  
**PASSED**



Moisture  
**PASSED**



Terpenes  
NOT TESTED

MISC.



**Cannabinoid**

**PASSED**



Total THC  
**25.8511%**



Total CBD  
**0.1012%**



Total Cannabinoids  
**31.678%**

|         | (6AR,9R)<br>D10-THC | (6AR,9S)<br>D10-THC | CBC  | CBD  | CBDA   | CBDV | CBG    | CBGA | CBN  | D8-THC | D9-THC | THCA     | THCV |
|---------|---------------------|---------------------|------|------|--------|------|--------|------|------|--------|--------|----------|------|
| %       | <LOQ                | <LOQ                | <LOQ | <LOQ | 0.1155 | <LOQ | 0.1203 | 2.04 | <LOQ | <LOQ   | 0.5316 | 28.8706  | <LOQ |
| mg/unit | <LOQ                | <LOQ                | <LOQ | <LOQ | 4.0425 | <LOQ | 4.2105 | 71.4 | <LOQ | <LOQ   | 18.606 | 1010.471 | <LOQ |
| LOQ     | 0.1                 | 0.1                 | 0.1  | 0.1  | 0.1    | 0.1  | 0.1    | 0.1  | 0.1  | 0.1    | 0.1    | 0.1      | 0.1  |
|         | %                   | %                   | %    | %    | %      | %    | %      | %    | %    | %      | %      | %        | %    |

Weight:  
0.2066g

Analysis Method : SOP.T.30.031.NY, SOP.T.40.031.NY  
Analyzed Date : 03/30/23 12:33:11

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).



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Hempire Inc

556 Empire Road  
Copake, NY, 12516, US  
Telephone: 5183293276  
Email: tara@farmonfoundation.org

Sample : AL30328003-003  
Harvest/Lot ID: 7702

Batch# : 7702  
Sampled : 03/27/23

Sample Size Received : 20 units  
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Sample Method : SOP Client Method

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## Pesticides

**PASSED**

| Pesticide             | LOQ | Units | Action Level | Pass/Fail | Result | Pesticide                 | LOQ | Units | Action Level | Pass/Fail | Result |
|-----------------------|-----|-------|--------------|-----------|--------|---------------------------|-----|-------|--------------|-----------|--------|
| PYRETHRINS, TOTAL     | 0.1 | ppm   | 1            | PASS      | <LOQ   | PACLOBUTRAZOL             | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |
| AZADIRACTIN           | 0.1 | ppm   | 1            | PASS      | <LOQ   | PHOSMET                   | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| INDOLE-3-BUTYRIC ACID | 0.1 | ppm   | 1            | PASS      | <LOQ   | PRALLETHRIN               | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| MYCLOBUTANIL          | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | PROCONAZOLE               | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |
| PIPERONYL BUTOXIDE    | 0.1 | ppm   | 2            | PASS      | <LOQ   | PROPOXUR                  | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| ABAMECTIN B1A         | 0.1 | ppm   | 0.5          | PASS      | <LOQ   | PYRIDABEN                 | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| ACEPHATE              | 0.1 | ppm   | 0.4          | PASS      | <LOQ   | SPINETORAM, TOTAL         | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| ACEQUINOCYL           | 0.1 | ppm   | 2            | PASS      | <LOQ   | SPINOSAD, TOTAL           | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| ACETAMIPRID           | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | SPIROMESIFEN              | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| ALDICARB              | 0.1 | ppm   | 0.4          | PASS      | <LOQ   | SPIROTETRAMAT             | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| AZOXYSTROBIN          | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | SPIROXAMINE               | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| CHLORMEQUAT CHLORIDE  | 0.1 | ppm   | 1            | PASS      | <LOQ   | TEBUCONAZOLE              | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |
| BIFENAZATE            | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | THIACLOPRID               | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| BIFENTHRIN            | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | THIAMETHOXAM              | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| CARBARYL              | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | TRIFLOXYSTROBIN           | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| COUMAPHOS             | 0.1 | ppm   | 1            | PASS      | <LOQ   | CAPTAN *                  | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| CHLORPYRIFOS          | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | CHLORDANE *               | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| DAMINOZIDE            | 0.1 | ppm   | 1            | PASS      | <LOQ   | CHLORFENAPYR *            | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| BOSCALID              | 0.1 | ppm   | 0.4          | PASS      | <LOQ   | CYFLUTHRIN *              | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| CARBOFURAN            | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | CYPERMETHRIN *            | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| CHLORANTRANILIPROLE   | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | METHYL PARATHION *        | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| CLOFENTEZINE          | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | MGK-264 *                 | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |
| DIAZINON              | 0.1 | ppm   | 0.2          | PASS      | <LOQ   | PENTACHLORONITROBENZENE * | 0.1 | ppm   | 1            | PASS      | <LOQ   |
| DICHLORVOS            | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |
| DIMETHOATE            | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| DIMETHOMORPH          | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |
| ETHOPROPHOS           | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| ETOFENPROX            | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |                           |     |       |              |           |        |
| ETOXAZOLE             | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| FENHEXAMID            | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |
| FENOXYCARB            | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| FENPYROXIMATE         | 0.1 | ppm   | 0.4          | PASS      | 0.2315 |                           |     |       |              |           |        |
| FIPRONIL              | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |                           |     |       |              |           |        |
| FLONICAMID            | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |
| FLUDIOXONIL           | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |                           |     |       |              |           |        |
| HEXYTHIAZOX           | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |
| IMAZALIL              | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| IMIDACLOPRID          | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |                           |     |       |              |           |        |
| KRESOXIM METHYL       | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |                           |     |       |              |           |        |
| MALATHION             | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| METALAXYL             | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| METHIOCARB            | 0.1 | ppm   | 0.2          | PASS      | <LOQ   |                           |     |       |              |           |        |
| METHOMYL              | 0.1 | ppm   | 0.4          | PASS      | <LOQ   |                           |     |       |              |           |        |
| MEVINPHOS             | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |
| NALED                 | 0.1 | ppm   | 0.5          | PASS      | <LOQ   |                           |     |       |              |           |        |
| OXAMYL                | 0.1 | ppm   | 1            | PASS      | <LOQ   |                           |     |       |              |           |        |

**Weight:**  
1.0084g

**Analysis Method:** SOP.T.40.104.NY, SOP.T30.104.NY and SOP.T.40.154.NY  
**Analyzed Date:** 04/03/23 09:28:03

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS).

**Weight:**  
1.0084g

**Analysis Method:** SOP.T.40.154.NY  
**Analyzed Date:** N/A

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



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
Sample : AL30328003-003  
Harvest/Lot ID: 7702

Batch# : 7702  
Sampled : 03/27/23

Sample Size Received : 20 units  
Total Amount : 1136 units  
Sample Method : SOP Client Method

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|  <b>Microbial</b> <span style="float: right;"><b>PASSED</b></span> |     |       |             |             |              |  <b>Mycotoxins</b> <span style="float: right;"><b>PASSED</b></span>   |        |       |        |             |              |
|---|-----|-------|-------------|-------------|--------------|--|--------|-------|--------|-------------|--------------|
| Analyte   | LOQ | Units | Result      | Pass / Fail | Action Level | Analyte  | LOQ    | Units | Result | Pass / Fail | Action Level |
| TOTAL AEROBIC BACTERIA  | 10  | CFU/g | <100        | TESTED      |              | AFLATOXIN G2   | 0.0025 | ppm   | <LOQ   | PASS        | 0.02         |
| TOTAL YEAST AND MOLD  | 10  | CFU/g | 5000        | TESTED      |              | AFLATOXIN G1   | 0.0025 | ppm   | <LOQ   | PASS        | 0.02         |
| ESCHERICHIA COLI SHIGELLA SPP   |     |       | Not Present | PASS        |              | AFLATOXIN B2   | 0.0025 | ppm   | <LOQ   | PASS        | 0.02         |
| SALMONELLA SPECIES  |     |       | Not Present | PASS        |              | AFLATOXIN B1   | 0.0025 | ppm   | <LOQ   | PASS        | 0.02         |
| ASPERGILLUS TERREUS   |     |       | Not Present | PASS        |              | OCHRATOXIN A+  | 0.01   | ppm   | <LOQ   | PASS        | 0.02         |
| ASPERGILLUS NIGER   |     |       | Not Present | PASS        |              | TOTAL AFLATOXINS (B1, B2, G1, G2)  | 0.0025 | ppm   | <LOQ   | PASS        | 0.02         |
| ASPERGILLUS FLAVUS  |     |       | Not Present | PASS        |              |  |        |       |        |             |              |
| ASPERGILLUS FUMIGATUS   |     |       | Not Present | PASS        |              |  |        |       |        |             |              |
| Weight: 1.1693g<br>Analysis Method : SOP.T.40.058A.NY, SOP.T.40.058B.NY, SOP.T.40.208.NY<br>Analyzed Date : N/A                                     |     |       |             |             |              | Weight: 1.0084g<br>Analysis Method : SOP.T.30.104.NY, SOP.T.40.104.NY<br>Analyzed Date : 04/03/23 09:28:01<br>Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. |        |       |        |             |              |

|  <b>Heavy Metals</b> <span style="float: right;"><b>PASSED</b></span>   |      |       |        |             |              |
|--|------|-------|--------|-------------|--------------|
| Metal  | LOQ  | Units | Result | Pass / Fail | Action Level |
| ANTIMONY   | 0.01 | ug/g  | <LOQ   | PASS        | 2            |
| ARSENIC  | 0.01 | ug/g  | <LOQ   | PASS        | 0.2          |
| CADMIUM  | 0.01 | ug/g  | <LOQ   | PASS        | 0.3          |
| CHROMIUM   | 0.01 | ug/g  | <LOQ   | PASS        | 110          |
| COPPER   | 0.01 | ug/g  | <LOQ   | PASS        | 30           |
| LEAD   | 0.01 | ug/g  | <LOQ   | PASS        | 0.5          |
| MERCURY  | 0.01 | ug/g  | <LOQ   | PASS        | 0.1          |
| NICKEL   | 0.01 | ug/g  | <LOQ   | PASS        | 2            |
| Weight: 0.4949g<br>Analysis Method : SOP.T.30.084.NY, SOP.T.40.084.NY<br>Analyzed Date : 03/31/23 15:24:26<br>Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. |      |       |        |             |              |



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Sample : AL30328003-003  
Harvest/Lot ID: 7702  
Batch# : 7702  
Sampled : 03/27/23

Sample Size Received : 20 units  
Total Amount : 1136 units  
Sample Method : SOP Client Method

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**Filth/Foreign Material** **PASSED**



**Moisture** **PASSED**

| Analyte           | LOQ | Units | Result | P/F  | Action Level |
|-------------------|-----|-------|--------|------|--------------|
| Stems (>3mm)      | 1   | %     | ND     | PASS | 5            |
| Foreign Matter    | 0.1 | %     | ND     | PASS | 2            |
| Mammalian excreta | 0.1 | mg    | ND     | PASS | 1            |

Weight:  
67.9813g

Analysis Method : SOP.T.40.090  
Analyzed Date : N/A

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.



**Water Activity** **PASSED**

| Analyte        | LOQ | Units | Result | P/F  | Action Level |
|----------------|-----|-------|--------|------|--------------|
| Water Activity | 0.1 | aw    | 0.29   | PASS | 0.65         |

Weight:  
0.2116g

Analysis Method : SOP.T.40.019  
Analyzed Date : N/A

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.