



Hudson Valley Hemp Company, LLC  
Address: 67 Pine Wood Rd., Hudson, NY 12534  
Contact Name:  
Contact Phone:  
License #: OCM-AUCC-22-000064/OCM-AUCP-22-000019  
Sample ID: 2411SMNY0369.1552



**Phyto-Farma Labs**  
a Smithers company

## CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Certificate: 7445.1

### The Hudson Sour Eighths

Lot #: HC-F-K2324  
Sample ID: 2411SMNY0369.1552  
Regulatory Category: Adult Use  
Received: 11/22/2024  
Sampling Location: 67 Pine Wood Rd.,  
Hudson, NY 12534

Lot Size: 2000  
Sample Type: Flower  
Amount Received: 13  
Sample Collected: 11/22/2024 11:20 AM  
Published: 11/27/2024



### COMPLIANCE FOR RETAIL

|                                    |                                       |                                        |                                     |
|------------------------------------|---------------------------------------|----------------------------------------|-------------------------------------|
| Cannabinoid Profile<br><b>Pass</b> | Terpenes Total<br><b>Pass</b>         | Residual Solvents<br><b>Not Tested</b> | <b>Pass</b><br>Sample Status        |
| Pesticides<br><b>Pass</b>          | Mycotoxins<br><b>Pass</b>             | Water Activity<br><b>Pass</b>          | <b>34.0%</b><br>Total THC           |
| Trace Metals<br><b>Pass</b>        | Microbial Contaminants<br><b>Pass</b> | Moisture Analysis<br><b>Pass</b>       | <b>0.0859%</b><br>Total CBD         |
|                                    | Filth & Foreign<br><b>Pass</b>        |                                        | <b>35.9 %</b><br>Total Cannabinoids |

Report Notes: N/A

Lindsey Vento

11/27/2024

*Lindsey Vento*

Micro Director

Phyto-Farma Labs  
49 John Hicks Drive  
Warwick, NY 10990  
(845) 202-9737



Accreditation #: 121747

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### Average Cannabinoid Profile

**Pass**

### Sample Analysis

Date: 11/27/2024 01:38 PM

SOP: NY.SOPT.40.260

Analyzed By: HPLC

Sample Weight: N/A

Analyst: Stephanie Knapp

| Analyte                                    | LOQ (%) | Average % (w/w) | mg/serving | Homogeneity <sup>†</sup> |
|--------------------------------------------|---------|-----------------|------------|--------------------------|
| Total Tetrahydrocannabinol (THC)           | -       | 34.0            | 170        |                          |
| Tetrahydrocannabinolic acid (THCA)         | 0.500   | 37.9            | 190        |                          |
| Δ8-THC                                     | 0.500   | <LOQ            | <LOQ       |                          |
| Δ9-THC                                     | 0.500   | 0.741           | 3.70       |                          |
| Δ10-THC-RS                                 | 0.500   | <LOQ            | <LOQ       |                          |
| Δ10-THC-RR                                 | 0.500   | 0.0227          | 0.114      |                          |
| Total Cannabidiol (CBD)                    | -       | 0.0859          | 0.430      |                          |
| Cannabinadiolic acid (CBDA)                | 0.500   | 0.0980          | 0.490      |                          |
| Cannabidiol (CBD)                          | 0.500   | <LOQ            | <LOQ       |                          |
| Total Active Tetrahydrocannabivarin (THCV) | -       | 0.236           | 1.18       |                          |
| Tetrahydrocannabivarinic acid (THCVA)*     | 0.500   | 0.272           | 1.36       |                          |
| Tetrahydrocannabivarin (THCV)              | 0.500   | <LOQ            | <LOQ       |                          |
| Total Active Cannabigerol (CBG)            | -       | 1.53            | 7.63       |                          |
| Cannabigerolic acid (CBGA)                 | 0.500   | 1.47            | 7.37       |                          |
| Cannabigerol (CBG)                         | 0.500   | 0.233           | 1.17       |                          |
| Cannabidivarin (CBDV)                      | 0.500   | <LOQ            | <LOQ       |                          |
| Cannabinol (CBN)                           | 0.500   | <LOQ            | <LOQ       |                          |
| Cannabichromene (CBC)                      | 0.500   | <LOQ            | <LOQ       |                          |

| Cannabinoid Totals | Actual % (w/w) | mg/serving | Homogeneity <sup>†</sup> |
|--------------------|----------------|------------|--------------------------|
| Total Cannabinoids | 35.9           | 179        |                          |

\* Analyte is not included in ISO 17025 scope of accreditation

† Concentration of individual samples must be ±25% of the mean concentration

Total Active CBD = CBD + (0.877 x CBDA); Total Active CBG = CBG + (0.878 x CBGA);

Total Active THC = (Δ9THC + Δ8THC + Δ10THC-RS + Δ10THC-RR) + (0.877 x THCA);

Total Active THCV = THCV + (0.867 x THCVA);

Serving Weight: 0.5 g

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### Terpene Total

**Pass (3.079%)**

### Sample Analysis

Date: 11/27/2024 10:58 AM

SOP: NY.SOPT.40.090

Sample Weight: 0.1714 g

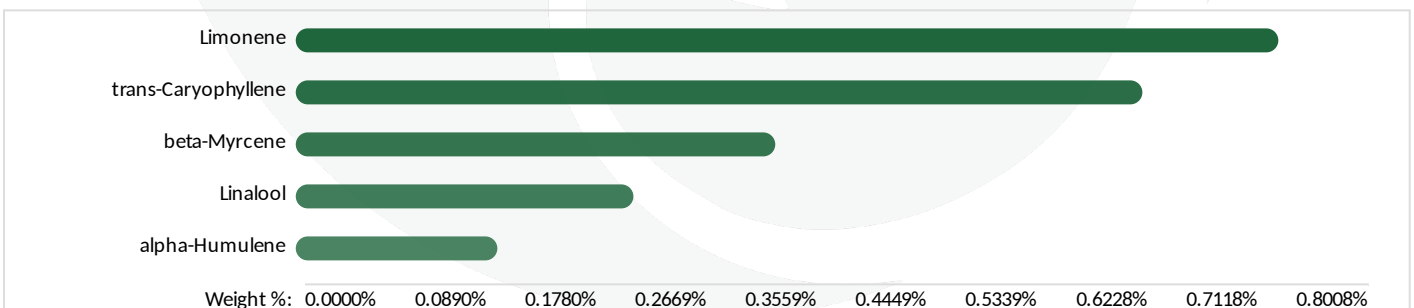
Analyzed By: GC-MS

Analyst: Stephanie Knapp

| Analyte             | LOQ (%)   | Results (%) |
|---------------------|-----------|-------------|
| 3-Carene            | 0.0004200 | <LOQ        |
| alpha-Bisabolol     | 0.0005000 | 0.07760     |
| alpha-Humulene      | 0.0005600 | 0.1643      |
| alpha-Phellandrene  | 0.0006600 | <LOQ        |
| alpha-Pinene        | 0.0004800 | 0.05740     |
| alpha-Terpinene     | 0.0002600 | <LOQ        |
| alpha-Terpineol     | 0.0003400 | 0.06730     |
| beta-Myrcene        | 0.0006400 | 0.3908      |
| beta-Pinene         | 0.0006600 | 0.08790     |
| Borneol             | 0.0004600 | 0.01320     |
| Camphene            | 0.0004400 | 0.01530     |
| Camphor             | 0.0004000 | <LOQ        |
| Caryophyllene oxide | 0.0005800 | 0.01110     |
| Cedrene             | 0.0004400 | <LOQ        |
| Cedrol              | 0.0005600 | <LOQ        |
| cis-Nerolidol       | 0.0006800 | 0.01130     |
| cis-Ocimene         | 0.0005200 | <LOQ        |
| Eucalyptol          | 0.0007200 | <LOQ        |
| Farnesene           | 0.0008400 | 0.1620      |
| Fenchone            | 0.0005000 | 0.003200    |

| Analyte             | LOQ (%)   | Results (%) |
|---------------------|-----------|-------------|
| gamma-Terpinene     | 0.0004400 | <LOQ        |
| gamma-Terpineol     | 0.0003000 | <LOQ        |
| Geraniol            | 0.0004800 | 0.003800    |
| Geranyl acetate     | 0.0006200 | <LOQ        |
| Guaol               | 0.0006000 | <LOQ        |
| Isoborneol          | 0.0003400 | 0.01790     |
| Isopulegol          | 0.0006600 | <LOQ        |
| Limonene            | 0.0007400 | 0.8008      |
| Linalool            | 0.0004600 | 0.2752      |
| Menthol             | 0.0004600 | <LOQ        |
| Nerol               | 0.0005000 | <LOQ        |
| Pulegone (+)        | 0.0005600 | <LOQ        |
| Sabinene            | 0.0003400 | 0.1016      |
| Sabinene Hydrate    | 0.0004200 | <LOQ        |
| Terpinolene         | 0.0005000 | <LOQ        |
| trans-b-Ocimene     | 0.0004200 | <LOQ        |
| trans-Caryophyllene | 0.0006600 | 0.6900      |
| trans-Nerolidol     | 0.0007200 | 0.03600     |
| Valencene           | 0.0005600 | 0.02900     |

| Terpene Totals | %     | Pass/Fail |
|----------------|-------|-----------|
| Total Terpenes | 3.079 | PASS      |



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### Trace Metals

Pass

#### Sample Analysis

Date: 11/26/2024 10:04 AM

SOP: NY.SOPT.40.050

Analyzed By: ICP-MS

Sample Weight: 0.1222 g

Analyst: Moni Kaneti

| Analyte        | LOQ (µg/g) | Action Limit (µg/g) | Results (µg/g) | Pass/Fail |
|----------------|------------|---------------------|----------------|-----------|
| Antimony (Sb)* | 0.315      | 2.00                | <LOQ           | PASS      |
| Arsenic (As)*  | 0.180      | 0.200               | <LOQ           | PASS      |
| Cadmium (Cd)*  | 0.159      | 0.200               | <LOQ           | PASS      |
| Chromium (Cr)* | 0.891      | 110                 | <LOQ           | PASS      |
| Copper (Cu)*   | 0.984      | 30.0                | 13.9           | PASS      |
| Lead (Pb)*     | 0.195      | 0.500               | <LOQ           | PASS      |
| Mercury (Hg)*  | 0.0330     | 0.100               | <LOQ           | PASS      |
| Nickel (Ni)*   | 0.273      | 5.00                | 0.431          | PASS      |

\* Analyte is not included in ISO 17025 scope of accreditation

### Mycotoxin Analysis

Pass

#### Sample Analysis

Date: 11/27/2024 10:23 AM

SOP: NY.SOPT.40.180

Analyzed By: LC-MS/MS

Sample Weight: 0.1 g

Analyst: Destiny Ribadeneyra

| Analyte           | LOQ (µg/g) | Action Limit (µg/g) | Results (µg/g) | Pass/Fail |
|-------------------|------------|---------------------|----------------|-----------|
| Sum of Aflatoxins | -          | 0.020               | 0              | PASS      |
| Aflatoxin B1      | 0.0010     | 0.020               | <LOQ           | PASS      |
| Aflatoxin B2      | 0.0020     | 0.020               | <LOQ           | PASS      |
| Aflatoxin G1      | 0.0010     | 0.020               | <LOQ           | PASS      |
| Aflatoxin G2      | 0.0020     | 0.020               | <LOQ           | PASS      |
| Ochratoxin A      | 0.0020     | 0.020               | <LOQ           | PASS      |

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**Pesticides LC**

**Pass**

**Sample Analysis**

**Date:** 11/27/2024 10:07 AM

**SOP:** NY.SOPT.040.270

**Analyzed By:** LC-MS/MS

**Sample Weight:** 1 g

**Analyst:** Destiny Ribadeneyra

| Analyte               | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail | Analyte                | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail |
|-----------------------|-----------|--------------------|---------------|-----------|------------------------|-----------|--------------------|---------------|-----------|
| Abamectin*            | 0.0180    | 0.500              | <LOQ          | PASS      | Imidacloprid*          | 0.00800   | 0.400              | <LOQ          | PASS      |
| Acephate*             | 0.00700   | 0.400              | <LOQ          | PASS      | Indole-3-butyric acid* | 0.00700   | 1.00               | <LOQ          | PASS      |
| Acequinocyl*          | 0.0160    | 2.00               | <LOQ          | PASS      | Kresoxim methyl*       | 0.0120    | 0.400              | <LOQ          | PASS      |
| Acetamiprid*          | 0.00500   | 0.200              | <LOQ          | PASS      | Malathion*             | 0.0110    | 0.200              | <LOQ          | PASS      |
| Aldicarb*             | 0.00500   | 0.400              | <LOQ          | PASS      | Metalaxyl*             | 0.0120    | 0.200              | <LOQ          | PASS      |
| Azadirachtin*         | 0.0220    | 1.00               | <LOQ          | PASS      | Methiocarb*            | 0.00400   | 0.200              | <LOQ          | PASS      |
| Azoxystrobin*         | 0.00600   | 0.200              | <LOQ          | PASS      | Methomyl*              | 0.0120    | 0.400              | <LOQ          | PASS      |
| Bifenazate*           | 0.00600   | 0.200              | <LOQ          | PASS      | Mevinphos*             | 0.0190    | 1.00               | <LOQ          | PASS      |
| Bifenthrin*           | 0.00300   | 0.200              | <LOQ          | PASS      | MGK-264*               | 0.0110    | 0.200              | <LOQ          | PASS      |
| Boscalid*             | 0.0110    | 0.400              | <LOQ          | PASS      | Myclobutanil*          | 0.0130    | 0.200              | <LOQ          | PASS      |
| Carbaryl*             | 0.00600   | 0.200              | <LOQ          | PASS      | Naled*                 | 0.00500   | 0.500              | <LOQ          | PASS      |
| Carbofuran*           | 0.00500   | 0.200              | <LOQ          | PASS      | Oxamyl*                | 0.00800   | 1.00               | <LOQ          | PASS      |
| Chlorantraniliprole*  | 0.00600   | 0.200              | <LOQ          | PASS      | Paclobutrazol*         | 0.0150    | 0.400              | <LOQ          | PASS      |
| Chlormequat chloride* | 0.0190    | 1.00               | <LOQ          | PASS      | Permethrins, Total*    | 0.00900   | 0.200              | <LOQ          | PASS      |
| Chlorpyrifos*         | 0.00900   | 0.200              | <LOQ          | PASS      | Phosmet*               | 0.00700   | 0.200              | <LOQ          | PASS      |
| Clofentezine*         | 0.0100    | 0.200              | <LOQ          | PASS      | Piperonyl Butoxide*    | 0.00600   | 2.00               | <LOQ          | PASS      |
| Daminozide*           | 0.00400   | 1.00               | <LOQ          | PASS      | Prallethrin*           | 0.00800   | 0.200              | <LOQ          | PASS      |
| Diazinon*             | 0.00700   | 0.200              | <LOQ          | PASS      | Propiconazole*         | 0.00600   | 0.400              | <LOQ          | PASS      |
| Dichlorvos*           | 0.0120    | 1.00               | <LOQ          | PASS      | Propoxur*              | 0.00800   | 0.200              | <LOQ          | PASS      |
| Dimethoate*           | 0.00600   | 0.200              | <LOQ          | PASS      | Pyrethrins*            | 0.0140    | 1.00               | <LOQ          | PASS      |
| Dimethomorph*         | 0.00500   | 1.00               | <LOQ          | PASS      | Pyridaben*             | 0.00600   | 0.200              | <LOQ          | PASS      |
| Ethoprophos*          | 0.0130    | 0.200              | <LOQ          | PASS      | Spinetoram, Total*     | 0.00500   | 1.00               | <LOQ          | PASS      |
| Etofenprox*           | 0.00300   | 0.400              | <LOQ          | PASS      | Spinosad, Total*       | 0.00600   | 0.200              | <LOQ          | PASS      |
| Etoazole*             | 0.00500   | 0.200              | <LOQ          | PASS      | Spiromesifen*          | 0.0130    | 0.200              | <LOQ          | PASS      |
| Fenhexamid*           | 0.0150    | 1.00               | <LOQ          | PASS      | Spirotetramat*         | 0.00600   | 0.200              | <LOQ          | PASS      |
| Fenoxycarb*           | 0.0110    | 0.200              | <LOQ          | PASS      | Spiroxamine*           | 0.00400   | 0.200              | <LOQ          | PASS      |
| Fenpyroximate*        | 0.00200   | 0.400              | <LOQ          | PASS      | Tebuconazole*          | 0.0120    | 0.400              | <LOQ          | PASS      |
| Flonicamid*           | 0.00700   | 1.00               | <LOQ          | PASS      | Thiacloprid*           | 0.00800   | 0.200              | <LOQ          | PASS      |
| Fludioxonil*          | 0.0170    | 0.400              | <LOQ          | PASS      | Thiamethoxam*          | 0.00800   | 0.200              | <LOQ          | PASS      |
| Hexythiazox*          | 0.00500   | 1.00               | <LOQ          | PASS      |                        |           |                    |               |           |

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**11/27/2024**

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### Pesticides GC

Pass

### Sample Analysis

Date: 11/27/2024 02:28 PM

SOP: NYS.SOPT.040.271

Analyzed By: GC-MS/MS

Sample Weight: N/A

Analyst: Destiny Ribadeneyra

| Analyte                  | LOQ (ppm) | Action Limit (ppm) | Results (ppm) | Pass/Fail |
|--------------------------|-----------|--------------------|---------------|-----------|
| Captan*                  | 0.300     | 1.00               | <LOQ          | PASS      |
| Chlordane*               | 0.0700    | 1.00               | <LOQ          | PASS      |
| Chlorfenapyr*            | 0.100     | 1.00               | <LOQ          | PASS      |
| Coumaphos*               | 0.190     | 1.00               | <LOQ          | PASS      |
| Cyfluthrin*              | 0.110     | 1.00               | <LOQ          | PASS      |
| Cypermethrin*            | 0.240     | 1.00               | <LOQ          | PASS      |
| Fipronil*                | 0.170     | 0.400              | <LOQ          | PASS      |
| Imazalil*                | 0.170     | 0.200              | <LOQ          | PASS      |
| Methyl parathion*        | 0.0900    | 0.200              | <LOQ          | PASS      |
| Pentachloronitrobenzene* | 0.170     | 1.00               | <LOQ          | PASS      |
| Trifloxystrobin*         | 0.110     | 0.200              | <LOQ          | PASS      |

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### Microbial Impurities - MDG

**Pass**

### Sample Analysis

Date: 11/27/2024 05:20 PM

SOP: NYS.SOPT.40.273

Analyzed By: PCR

Analyst: Kristy Lee

| Analyte                                | Microbial Type | LOQ (CFU/g) | Allowable Limit | Results      | Pass/Fail |
|----------------------------------------|----------------|-------------|-----------------|--------------|-----------|
| Shiga toxin-producing Escherichia coli | Bacterial      | 1           | Not Detected    | Not Detected | PASS      |
| Salmonella species                     | Bacterial      | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus flavus                     | Fungal         | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus niger                      | Fungal         | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus terreus                    | Fungal         | 1           | Not Detected    | Not Detected | PASS      |
| Aspergillus fumigatus                  | Fungal         | 1           | Not Detected    | Not Detected | PASS      |

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Accreditation #: 121747

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Hudson Valley Hemp Company, LLC  
Address: 67 Pine Wood Rd., Hudson, NY 12534  
Contact Name:  
Contact Phone:  
License #: OCM-AUCC-22-000064/OCM-AUCP-22-000019  
Sample ID: 2411SMNY0369.1552



**Phyto-Farma Labs**  
a Smithers company

## CERTIFICATE OF ANALYSIS

Permit #: OCM-CPL-00004

Certificate: 7445.1

### Microbial Impurities - TAPC

Pass

#### Sample Analysis

Date: 11/25/2024 01:36 PM

SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Kristy Lee

| Analyte                       | LOQ (CFU/g) | Action Limit (CFU/g) | Results (CFU/g) | Pass/Fail |
|-------------------------------|-------------|----------------------|-----------------|-----------|
| Total Aerobic Bacteria/CDP-TC | 5           | N/A                  | 4500000         | PASS      |

### Microbial Impurities - TYMC

Pass

#### Sample Analysis

Date: 11/26/2024 05:29 PM

SOP: NYS.SOPT.040.200

Analyzed By: Plating

Analyst: Kristy Lee

| Analyte              | LOQ (CFU/g) | Action Limit (CFU/g) | Results (CFU/g) | Pass/Fail |
|----------------------|-------------|----------------------|-----------------|-----------|
| Total Yeast and Mold | 5           | N/A                  | 580000          | PASS      |
| Mold Count           | 5           | N/A                  | 580000          | PASS      |
| Yeast Count          | 5           | N/A                  | <LOQ            | PASS      |

Lindsey Vento

11/27/2024

*Lindsey Vento*

Micro Director

Phyto-Farma Labs

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### Foreign Matter

Pass

#### Sample Analysis

Date: 11/26/2024 01:04 PM

SOP: NYS.SOPT.040.250

Analyzed By: Microscopy

Analyst: Destiny Ribadeneyra

| Analyte                    | LOQ | Action Limit | Results | Pass/Fail |
|----------------------------|-----|--------------|---------|-----------|
| Mammalian excreta (mg/lb)  | 0   | 1.0          | 0       | PASS      |
| Stems >3mm in diameter (%) | 0   | 5.0          | 0       | PASS      |
| Other Foreign Material (%) | 0   | 2.0          | 0       | PASS      |

### Moisture Content

Pass

#### Sample Analysis

Date: 11/26/2024 12:43 PM

SOP: NY.SOPT.040.220

Analyzed By: Moisture Balance

Analyst: Moni Kaneti

| Analyte          | LOQ (%) | Action Limit (%) | Results (%) | Pass/Fail |
|------------------|---------|------------------|-------------|-----------|
| Moisture Content | 0       | 5.0 - 15.0       | 12.1        | PASS      |

### Water Activity

Pass

#### Sample Analysis

Date: 11/26/2024 12:57 PM

SOP: NY.SOPT.040.210

Analyzed By: Water Activity Meter

Analyst: Moni Kaneti

| Analyte        | LOQ (Aw) | Action Limit (Aw) | Results (Aw) | Pass/Fail |
|----------------|----------|-------------------|--------------|-----------|
| Water Activity | 0.25     | 0.65              | 0.40         | PASS      |

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