



**Mother Grows Best**  
1851 Steinway Blvd. SE  
Canton, OH 44707  
License #: CCP000034-00  
Sample ID: 2604ML0443.3014  
METRC Sample ID: 1A40703000020D1000051609



**CERTIFICATE OF ANALYSIS**  
Laboratory License #: CCL000012-00

Certificate: 15018

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M00001336721: Bulk Raw SSU - Sativa - 30 - Diesel Train - The Essence Pre-Roll

**METRC ID:** 1A40703000020D1000051609  
**METRC Source ID:** 1A40703000020D1000051605  
**Source Batch #:** Diesel Train 1g SSU 4-28-26  
**Sample Type:** Raw Single Serving Unit  
**Strain:** Diesel Train

**Sample ID:** 2604ML0443.3014  
**Manifest #:** 0001413861  
**Sample Collected:** 04/28/2026  
**Sample Received:** 04/28/2026  
**Report Published:** 05/01/2026



## RESULTS SUMMARY

|                                 |                                     |                                     |                       |
|---------------------------------|-------------------------------------|-------------------------------------|-----------------------|
| Cannabinoid Profile<br>Tested   | Microbial Contaminants<br>Pass      | Residual Solvents<br>Not Tested     | 28.472%<br>Total THC  |
| Pesticides<br>Pass              | Mycotoxins<br>Pass                  | Heavy Metals<br>Pass                | 0.14429%<br>Total CBD |
| Foreign Matter<br>Tested (0.0%) | Moisture Analysis<br>Tested (10.6%) | Water Activity<br>Tested (0.423 Aw) |                       |
|                                 | Terpenes<br>Tested                  |                                     |                       |

Moisture Analysis is analyzed by Oven Drying (SOP LAB-14)  
Water Activity is analyzed by METER total moisture analyzer (SOP LAB-05)  
Foreign Matter is analyzed by Microscope (SOP LAB-06)

**Report Notes:** N/A

**Amber Lindsay**

Scientific Director & Quality Manager

**Smithers CTS Ohio LLC**  
2040 Fairwood Ave  
Columbus, OH 43207  
(330) 842-6553



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Cannabinoid Profile

Tested

Sample Analysis  
Sample Prep Date: 04/29/2026  
Sample Analysis Date: 04/30/2026  
Analyzed By: HPLC-DAD  
SOP: SOP LAB-07

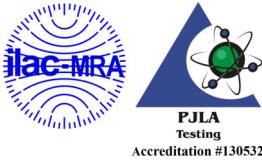
| Analyte            | LOD (%)  | LOQ (%)     | Results (%)    | Results (mg/g) |
|--------------------|----------|-------------|----------------|----------------|
| CBDV               | 0.025522 | 0.077295    | ND             | ND             |
| CBDa               | 0.04958  | 0.15118     | 0.16453        | 1.6453         |
| CBGA               | 0.011298 | 0.034218    | 1.6197         | 16.197         |
| CBG                | 0.018125 | 0.054862    | 0.23556        | 2.3556         |
| CBD                | 0.11541  | 0.3503      | ND             | ND             |
| THCV               | 0.075588 | 0.2292      | ND             | ND             |
| CBN                | 0.062584 | 0.19019     | ND             | ND             |
| Δ9-THC             | 0.11378  | 0.34462     | 0.79681        | 7.9681         |
| Δ8-THC             | 0.11378  | 0.34543     | ND             | ND             |
| CBC                | 0.031942 | 0.096804    | ND             | ND             |
| THCa               | 0.04389  | 0.13167     | 31.557         | 315.57         |
| Cannabinoid Totals |          | Results (%) | Results (mg/g) |                |
| Total THC          |          | 28.472      | 284.72         |                |
| Total CBD          |          | 0.14429     | 1.4429         |                |

Total THC = THCa \* 0.877 + Δ9-THC + Δ8-THC  
Total CBD = CBDa \* 0.877 + CBD

Report Notes: N/A

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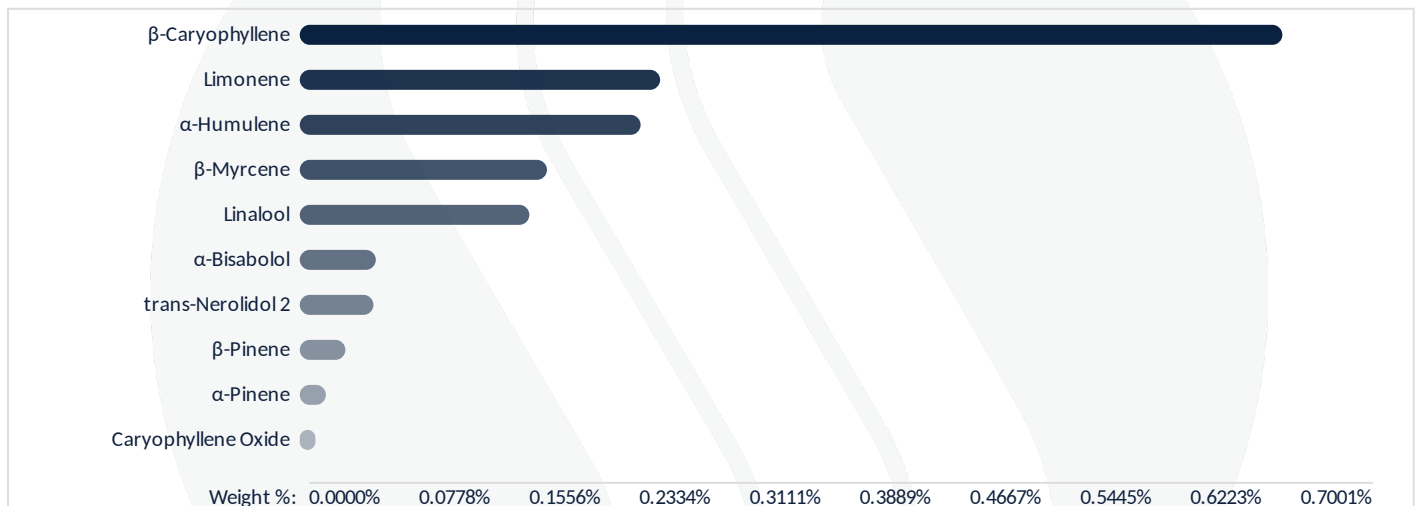
**Terpene Profile**

**Tested**

**Sample Analysis**

Sample Prep Date: 04/29/2026  
Sample Analysis Date: 04/30/2026  
Analyzed By: GCMS  
SOP: SOP LAB-15

| Analyte             | LOD (%)   | LOQ (%)   | Results (%) | Results (mg/g) | Analyte         | LOD (%)    | LOQ (%)   | Results (%) | Results (mg/g) |
|---------------------|-----------|-----------|-------------|----------------|-----------------|------------|-----------|-------------|----------------|
| β-Caryophyllene     | 0.0027096 | 0.0082303 | 0.70008     | 7.0008         | Guaiol          | 0.0023031  | 0.0069771 | ND          | ND             |
| Limonene            | 0.0033192 | 0.010025  | 0.25673     | 2.5673         | cis-Nerolidol 1 | 0.0027096  | 0.0082303 | ND          | ND             |
| α-Humulene          | 0.0019644 | 0.0059272 | 0.24285     | 2.4285         | Geraniol        | 0.0030144  | 0.0091109 | ND          | ND             |
| β-Myrcene           | 0.0035563 | 0.010737  | 0.17612     | 1.7612         | Isopulegol      | 0.0022015  | 0.0066723 | ND          | ND             |
| Linalool            | 0.0015919 | 0.0048434 | 0.16359     | 1.6359         | γ-Terpinene     | 0.0031160  | 0.0094835 | ND          | ND             |
| α-Bisabolol         | 0.0022015 | 0.0066723 | 0.054191    | 0.54191        | Eucalyptol      | 0.00040644 | 0.0012870 | ND          | ND             |
| trans-Nerolidol 2   | 0.0032854 | 0.0099577 | 0.052498    | 0.52498        | p-Cymene        | 0.0013887  | 0.0042337 | ND          | ND             |
| β-Pinene            | 0.0022693 | 0.0069094 | 0.032515    | 0.32515        | Ocimene         | 0.0061643  | 0.018662  | ND          | ND             |
| α-Pinene            | 0.0043014 | 0.013006  | 0.018628    | 0.18628        | α-Terpinene     | 0.0035224  | 0.010635  | ND          | ND             |
| Caryophyllene Oxide | 0.0060288 | 0.018323  | < LOQ       | < LOQ          | 3-Carene        | 0.0031499  | 0.0095512 | ND          | ND             |
| Terpinolene         | 0.0028450 | 0.0086367 | 0.0091448   | 0.091448       | Camphene        | 0.0028450  | 0.0086367 | ND          | ND             |



Report Notes: N/A

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**Pesticides**

**Pass**

**Sample Analysis**

Sample Prep Date: 04/29/2026  
Sample Analysis Date: 04/30/2026  
Analyzed By: LC-MS/MS  
SOP: LAB SOP-08

| Analyte           | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Results (ppm) | Analyte            | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Results (ppm) |
|-------------------|-----------|-----------|-------------|---------------|--------------------|-----------|-----------|-------------|---------------|
| Abamectin         | 0.0301    | 0.0905    | 0.0301      | ND            | Piperonyl butoxide | 0.0151    | 0.0452    | 0.0151      | ND            |
| Aldicarb          | 0.0301    | 0.0905    | 0.0301      | ND            | Pyrethrins         | 0.00301   | 0.00905   | 0.05        | ND            |
| Daminozide        | 0.0301    | 0.0905    | 0.0301      | ND            | Spinosad           | 0.00301   | 0.00905   | 0.02        | ND            |
| DDVP (Dichlorvos) | 0.00301   | 0.00905   | 0.00301     | ND            | Spirotetramat      | 0.00151   | 0.00452   | 0.01        | ND            |
| Diazinon          | 0.0151    | 0.0452    | 0.0151      | ND            | Thiamethoxam       | 0.00301   | 0.00905   | 0.02        | ND            |
| Dimethoate        | 0.0151    | 0.0452    | 0.0151      | ND            | Trifloxystrobin    | 0.00151   | 0.00452   | 0.01        | ND            |
| Etoxazole         | 0.0151    | 0.0452    | 0.0151      | ND            | Bifenazate         | 0.0151    | 0.0452    | 0.1         | ND            |
| Imidacloprid      | 0.0301    | 0.0905    | 0.0301      | ND            | Cyfluthrin         | 0.00301   | 0.00905   | 0.01        | ND            |
| Myclobutanil      | 0.0151    | 0.0452    | 0.0151      | ND            | Flonicamid         | 0.00301   | 0.00905   | 0.03        | ND            |
| Paclobutrazol     | 0.0301    | 0.0905    | 0.0301      | ND            | Fludioxonil        | 0.00151   | 0.00452   | 0.01        | ND            |

Report Notes: N/A

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Mycotoxins

Pass

Sample Analysis  
Sample Prep Date: 04/29/2026  
Sample Analysis Date: 04/30/2026  
Analyzed By: LC-MS/MS  
SOP: LAB SOP-08

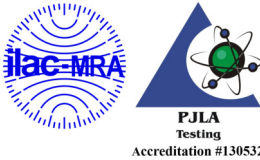
| Analyte          | LOD (ppb) | LOQ (ppb) | Limit (ppb) | Results (ppb) |
|------------------|-----------|-----------|-------------|---------------|
| Aflatoxin B1     | 2.99      | 9.05      | 20          | ND            |
| Aflatoxin B2     | 2.99      | 9.05      | 20          | ND            |
| Aflatoxin G1     | 2.99      | 9.05      | 20          | ND            |
| Aflatoxin G2     | 2.99      | 9.05      | 20          | ND            |
| Total Aflatoxins | 2.99      | 9.05      | 20          | ND            |
| Ochratoxin A     | 2.99      | 9.05      | 20          | ND            |

Report Notes: N/A

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**SMITHERS**

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**Heavy Metals**

**Pass**

**Sample Analysis**

Sample Prep Date: 04/29/2026  
Sample Analysis Date: 04/29/2026  
Analyzed By: ICP-MS  
SOP: SOP LAB-03

| Analyte | LOD (ppm) | LOQ (ppm) | Limit (ppm) | Results (ppm) |
|---------|-----------|-----------|-------------|---------------|
| Arsenic | 0.0651    | 0.195     | 0.42        | ND            |
| Cadmium | 0.0406    | 0.118     | 0.27        | ND            |
| Mercury | 0.0491    | 0.152     | 0.87        | ND            |
| Lead    | 0.0516    | 0.152     | 0.87        | 0.278         |

**Microbial Impurities**

**Pass**

**Sample Analysis**

Sample Prep Date: 04/28/2026  
Sample Analysis Date: 05/01/2026  
Analyzed By: Hardy CompactDry Plates  
SOP: SOP LAB-04

| Analyte                                    | Limit (cfu/g) | Results (cfu/g) |
|--------------------------------------------|---------------|-----------------|
| Total Viable Aerobic Bacteria              | 100000        | ND              |
| Total Bile-Tolerant Gram-Negative Bacteria | 1000          | ND              |
| Total Coliforms                            | 1000          | ND              |
| Total Yeast & Mold                         | 50000         | ND              |
| Salmonella spp.                            | Detected      | Not Detected    |
| STEC                                       | Detected      | Not Detected    |

Report Notes: N/A

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Accreditation #130532

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