

Prepared For: Mother Grows Best  
Lot #5 Steinway Blvd SE  
Canton, OH 44707  
sdorf@perelmandorf.com  
License: CCC000033-00

**METRC ID: 1A40703000020D2000000194**

Report Created: 6/10/2026

CC ID: 2606NCTL2448.21017

Sample Received: 6/5/2026

LIMS ID: 224059

Item: M00001319652: Diesel Train Bulk Flower

METRC Batch: 1A40703000020D2000000181

Strain: Diesel Train

Product Category: Bulk Flower/Buds

|                                                        |                                           |                                                   |
|--------------------------------------------------------|-------------------------------------------|---------------------------------------------------|
| Total THC: 24.8%<br>Total CBD: 0.0703%<br>Cannabinoids | Pass<br><br>Heavy Metals                  | Pass<br><br>Pesticides                            |
| Tested<br><br>Terpenes                                 | Not Tested<br><br>Residual Solvents       | Pass<br><br>Mycotoxins                            |
| Pass<br><br>Microbials                                 | Tested<br>06/08/2026<br>11.2%<br>Moisture | Tested<br>06/08/2026<br>0.52 aw<br>Water Activity |
| Tested<br>06/05/2026<br>ND<br>Foreign Matter           | Not Tested<br><br>Plant Pathogens         | Not Tested<br><br>Nutrients                       |



North Coast Testing Laboratories, LLC  
10100 Wellman Road  
Streetsboro, OH 44241  
(234) 212-1860  
License #CCL000014-00

  
**Nick Szabo**  
Laboratory Manager

  
FJLA  
Testing  
Accreditation #118827  
ISO/IEC 17025:2017

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## CANNABINOID PROFILE by HPLC / SOP-140 / Date Tested - 06/08/2026

| Analyte                                            | LOQ<br>% | Result<br>mg/g | Result<br>%   |
|----------------------------------------------------|----------|----------------|---------------|
| Tetrahydrocannabinolic acid (THCA)                 | 0.0462   | 277            | 27.7          |
| delta-9-Tetrahydrocannabinol (delta-9-THC)         | 0.0462   | 5.30           | 0.530         |
| delta-8-Tetrahydrocannabinol (delta-8-THC)         | 0.0462   | ND             | ND            |
| Tetrahydrocannabivarin (THCV)                      | 0.0462   | ND             | ND            |
| Tetrahydrocannabivarinic acid (THCVA) <sup>†</sup> | 0.0462   | 2.64           | 0.264         |
| Cannabidiolic acid (CBDA)                          | 0.0462   | 0.802          | 0.0802        |
| Cannabidiol (CBD)                                  | 0.0462   | ND             | ND            |
| Cannabidivarin (CBDV)                              | 0.0462   | ND             | ND            |
| Cannabinol (CBN)                                   | 0.0462   | ND             | ND            |
| Cannabigerolic acid (CBGA)                         | 0.0462   | 11.9           | 1.19          |
| Cannabigerol (CBG)                                 | 0.0462   | 1.06           | 0.106         |
| Cannabichromene (CBC)                              | 0.0462   | ND             | ND            |
| <b>Total THC</b>                                   |          | <b>248</b>     | <b>24.8</b>   |
| <b>Total CBD</b>                                   |          | <b>0.703</b>   | <b>0.0703</b> |

## NOTES

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Product Category: Bulk Flower/Buds

## Heavy Metals by ICPMS / NCTL SOP-103 / Date Tested - 06/08/2026

| Analyte | LOQ    | OAC-3796  | Result | Status |
|---------|--------|-----------|--------|--------|
|         | ppm    | ppm Limit | ppm    |        |
| Arsenic | 0.0914 | 0.42      | ND     | Passed |
| Cadmium | 0.0914 | 0.27      | ND     | Passed |
| Lead    | 0.366  | 0.87      | ND     | Passed |
| Mercury | 0.0914 | 0.87      | ND     | Passed |

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## Microbials by NCTL SOP-101/149 / Date Tested - 06/05/2026

| Analyte                                | LOQ   | OAC-3796    | Result   | Status |
|----------------------------------------|-------|-------------|----------|--------|
|                                        | cfu/g | cfu/g Limit | cfu/g    |        |
| Total Aerobic Bacteria                 | NA    | 100000      | ND       | Passed |
| Bile-Tolerant Gram-Negative Bacteria   | NA    | 1000        | ND       | Passed |
| Total Coliforms                        | NA    | 1000        | ND       | Passed |
| Total Yeast & Mold                     | NA    | 50000       | 1030     | Passed |
| Salmonella spp.                        | NA    | ND          | Negative | Passed |
| Shiga toxin-producing Escherichia coli | NA    | ND          | Negative | Passed |

## NOTES

260605\_MICRO\_Flower6

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## Mycotoxins

by LCMSMS / NCTL SOP-102 / Date Tested - 06/09/2026

| Analyte          | LOQ     | OAC-3796  | Result | Status |
|------------------|---------|-----------|--------|--------|
|                  | ppm     | ppm Limit | ppm    |        |
| Ochratoxin A     | 0.0194  | 0.02      | ND     | Passed |
| Aflatoxin B1     | 0.00486 | 0.02      | ND     | Passed |
| Aflatoxin B2     | 0.00486 | 0.02      | ND     | Passed |
| Aflatoxin G1     | 0.00486 | 0.02      | ND     | Passed |
| Aflatoxin G2     | 0.00486 | 0.02      | ND     | Passed |
| Total Aflatoxins |         | 0.02      | ND     | Passed |

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## Pesticides by LCMSMS / NCTL SOP-102 / Date Tested - 06/09/2026

| Analyte                       | LOQ<br>ppm | OAC-3796<br>ppm Limit | Result<br>ppm | Status |
|-------------------------------|------------|-----------------------|---------------|--------|
| Abamectin                     | 0.0486     | ND                    | ND            | Passed |
| Aldicarb                      | 0.0486     | ND                    | ND            | Passed |
| Bifenazate                    | 0.0194     | 0.1                   | ND            | Passed |
| Cyfluthrin                    | 0.486      | 0.05                  | ND            | Passed |
| Daminozide                    | 0.486      | ND                    | ND            | Passed |
| Diazinon                      | 0.0486     | ND                    | ND            | Passed |
| Dichlorvos                    | 0.0486     | ND                    | ND            | Passed |
| Dimethoate                    | 0.0486     | ND                    | ND            | Passed |
| Etoxazole                     | 0.00972    | ND                    | ND            | Passed |
| Flonicamid                    | 0.0292     | 0.03                  | ND            | Passed |
| Fludioxonil                   | 0.00972    | 0.01                  | ND            | Passed |
| Imidacloprid                  | 0.00972    | ND                    | ND            | Passed |
| Myclobutanil                  | 0.0486     | ND                    | ND            | Passed |
| Paclobutrazol                 | 0.0243     | ND                    | ND            | Passed |
| Piperonyl Butoxide            | 0.00972    | 0.1                   | ND            | Passed |
| Spirotetramat                 | 0.00972    | 0.01                  | ND            | Passed |
| Thiamethoxam                  | 0.00972    | 0.02                  | ND            | Passed |
| Total Pyrethrins <sup>2</sup> |            | 0.05                  | ND            | Passed |
| Trifloxystrobin               | 0.00972    | 0.01                  | ND            | Passed |
| Spinosad                      | 0.00486    | 0.02                  | ND            | Passed |

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## Terpenes

by GCMS / NCTL-SOP-123 / Date Tested - 06/08/2026

| Analyte                           | LOQ      | Result  | Result   |
|-----------------------------------|----------|---------|----------|
|                                   | %        | mg/g    | %        |
| beta-Caryophyllene <sup>(1)</sup> | 0.00203  | 6.93    | 0.693    |
| beta-Myrcene                      | 0.000845 | 4.36    | 0.436    |
| delta-Limonene                    | 0.000845 | 3.49    | 0.349    |
| alpha-Humulene                    | 0.000845 | 2.63    | 0.263    |
| Linalool                          | 0.00169  | 1.90    | 0.190    |
| trans-B-Farnesene                 | 0.00338  | 0.933   | 0.0933   |
| beta-Pinene <sup>(1)</sup>        | 0.00169  | 0.700   | 0.0700   |
| Nerolidol (cis + trans)           |          | 0.679   | 0.0679   |
| alpha-Bisabolol                   | 0.00169  | 0.551   | 0.0551   |
| alpha-Terpineol                   | 0.00169  | 0.486   | 0.0486   |
| Fenchyl Alcohol                   | 0.00338  | 0.467   | 0.0467   |
| alpha-Pinene                      | 0.000845 | 0.387   | 0.0387   |
| trans-2-Pinanol                   | 0.00338  | 0.308   | 0.0308   |
| Farnesol (sum of isomers)         |          | 0.259   | 0.0259   |
| beta-Eudesmol                     | 0.00169  | 0.151   | 0.0151   |
| Borneol                           | 0.00169  | 0.137   | 0.0137   |
| Caryophyllene Oxide               | 0.00338  | 0.128   | 0.0128   |
| Camphene                          | 0.000845 | 0.118   | 0.0118   |
| Ocimene (cis + trans)             |          | 0.0515  | 0.00515  |
| Terpinolene                       | 0.000845 | 0.0441  | 0.00441  |
| Fenchone                          | 0.000845 | 0.0338  | 0.00338  |
| Eucalyptol                        | 0.00169  | 0.0273  | 0.00273  |
| Sabinene Hydrate                  | 0.00169  | 0.0210  | 0.00210  |
| gamma-Terpinene                   | 0.000845 | 0.00866 | 0.000866 |
| alpha-Cedrene                     | 0.000676 | ND      | ND       |
| alpha-Terpinene                   | 0.000845 | ND      | ND       |
| Cedrol                            | 0.000845 | ND      | ND       |
| Geraniol                          | 0.00338  | ND      | ND       |

| Analyte                 | LOQ      | Result | Result |
|-------------------------|----------|--------|--------|
|                         | %        | mg/g   | %      |
| Geranyl Acetate         | 0.00338  | ND     | ND     |
| Guaiol                  | 0.00169  | ND     | ND     |
| Isoborneol              | 0.000845 | ND     | ND     |
| Isopulegol              | 0.00338  | ND     | ND     |
| Menthol                 | 0.00169  | ND     | ND     |
| Nerol                   | 0.00338  | ND     | ND     |
| Pulegone                | 0.00169  | ND     | ND     |
| Valencene               | 0.000845 | ND     | ND     |
| alpha-Thujone           | 0.00169  | ND     | ND     |
| beta-Elementene         | 0.000845 | ND     | ND     |
| Camphor                 | 0.00169  | ND     | ND     |
| Carene <sup>(1)</sup>   | 0.00169  | ND     | ND     |
| Carvacrol               | 0.00169  | ND     | ND     |
| Carvone                 | 0.000845 | ND     | ND     |
| Citral (cis + trans)    |          | ND     | ND     |
| Citronellol             | 0.00338  | ND     | ND     |
| Cymene (sum of isomers) |          | ND     | ND     |
| Isobornyl Acetate       | 0.000845 | ND     | ND     |
| Menthone                |          | ND     | ND     |
| Nootkatone              | 0.00338  | ND     | ND     |
| Octyl Acetate           | 0.00169  | ND     | ND     |
| Phytane                 | 0.000845 | ND     | ND     |
| Piperitone              | 0.000845 | ND     | ND     |
| Safranal                | 0.000845 | ND     | ND     |
| Terpinen-4-ol           | 0.00169  | ND     | ND     |
| Thymol                  | 0.000845 | ND     | ND     |
| Verbenone               | 0.00169  | ND     | ND     |

## NOTES

See COA Footnote

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