



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 21-003146/D03.R00  
**Report Date:** 03/26/2021  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 03/24/21 11:05

**Customer:** Healthy Roots  
**Product identity:** #139V2 1000mg FSO  
**Client/Metric ID:** .  
**Laboratory ID:** 21-003146-0002

## Summary

### Potency:

| Analyte           | Result | Limits | Units    | Status | CBD-Total per 28.5g | 994 mg/28.5g                         |
|-------------------|--------|--------|----------|--------|---------------------|--------------------------------------|
| CBC               | 0.162  |        | %        |        |                     |                                      |
| CBC-A†            | 0.0468 |        | %        |        |                     |                                      |
| CBD               | 3.00   |        | %        |        | THC-Total per 28.5g | 12.5 mg/28.5g                        |
| CBD-A             | 0.554  |        | %        |        |                     |                                      |
| CBDV†             | 0.0403 |        | %        |        |                     |                                      |
| CBDV-A†           | 0.0169 |        | %        |        |                     |                                      |
| CBG†              | 0.0184 |        | %        |        |                     |                                      |
| CBG-A†            | 0.0101 |        | %        |        |                     |                                      |
| Δ9-THC            | 0.0438 |        | %        |        |                     |                                      |
|                   |        |        |          |        |                     | (Reported in milligrams per serving) |
| Analyte per 28.5g | Result | Limits | Units    | Status |                     |                                      |
| CBC per 28.5g†    | 46.2   |        | mg/28.5g |        |                     |                                      |
| CBC-A per 28.5g†  | 13.3   |        | mg/28.5g |        |                     |                                      |
| CBD per 28.5g     | 855    |        | mg/28.5g |        |                     |                                      |
| CBD-A per 28.5g   | 158    |        | mg/28.5g |        |                     |                                      |
| CBDV per 28.5g†   | 11.5   |        | mg/28.5g |        |                     |                                      |
| CBDV-A per 28.5g† | 4.82   |        | mg/28.5g |        |                     |                                      |
| CBG per 28.5g†    | 5.24   |        | mg/28.5g |        |                     |                                      |
| CBG-A per 28.5g†  | 2.88   |        | mg/28.5g |        |                     |                                      |
| Δ9-THC per 28.5g  | 12.5   |        | mg/28.5g |        |                     |                                      |



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**Customer:** Healthy Roots

**Product identity:** #139V2 1000mg FSO  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 21-003146-0002  
**Evidence of Cooling:** No  
**Temp:** 18.3 °C  
**Serving Size #1:** 28.5 g

### Sample Results

| Potency                 | Method J AOAC 2015 V98-6 (mod) | Units % | Batch: 2102700 | Analyze: 3/26/21 1:18:00 AM |       |
|-------------------------|--------------------------------|---------|----------------|-----------------------------|-------|
| Analyte                 | Result                         | Limits  | Units          | LOQ                         | Notes |
| CBC                     | 0.162                          |         | %              | 0.0033                      |       |
| CBC-A <sup>†</sup>      | 0.0468                         |         | %              | 0.0033                      |       |
| CBC-Total <sup>†</sup>  | 0.203                          |         | %              | 0.0061                      |       |
| CBD                     | 3.00                           |         | %              | 0.0326                      |       |
| CBD-A                   | 0.554                          |         | %              | 0.0033                      |       |
| CBD-Total               | 3.49                           |         | %              | 0.0355                      |       |
| CBDV <sup>†</sup>       | 0.0403                         |         | %              | 0.0033                      |       |
| CBDV-A <sup>†</sup>     | 0.0169                         |         | %              | 0.0033                      |       |
| CBDV-Total <sup>†</sup> | 0.0549                         |         | %              | 0.0061                      |       |
| CBG <sup>†</sup>        | 0.0184                         |         | %              | 0.0033                      |       |
| CBG-A <sup>†</sup>      | 0.0101                         |         | %              | 0.0033                      |       |
| CBG-Total               | 0.0273                         |         | %              | 0.0061                      |       |
| CBL <sup>†</sup>        | < LOQ                          |         | %              | 0.0033                      |       |
| CBN                     | < LOQ                          |         | %              | 0.0033                      |       |
| Δ8-THC <sup>†</sup>     | < LOQ                          |         | %              | 0.0033                      |       |
| Δ9-THC                  | 0.0438                         |         | %              | 0.0033                      |       |
| THC-A                   | < LOQ                          |         | %              | 0.0033                      |       |
| THC-Total               | 0.0438                         |         | %              | 0.0061                      |       |
| THCV <sup>†</sup>       | < LOQ                          |         | %              | 0.0033                      |       |
| THCV-A <sup>†</sup>     | < LOQ                          |         | %              | 0.0033                      |       |
| THCV-Total <sup>†</sup> | < LOQ                          |         | %              | 0.0061                      |       |

| Potency per 28.5g                 | Method J AOAC 2015 V98-6 (mod) | Units mg/se | Batch: 2102700 | Analyze: 3/26/21 1:18:00 AM |       |
|-----------------------------------|--------------------------------|-------------|----------------|-----------------------------|-------|
| Analyte                           | Result                         | Limits      | Units          | LOQ                         | Notes |
| CBC per 28.5g <sup>†</sup>        | 46.2                           |             | mg/28.5g       | 0.930                       |       |
| CBC-A per 28.5g <sup>†</sup>      | 13.3                           |             | mg/28.5g       | 0.930                       |       |
| CBC-Total per 28.5g <sup>†</sup>  | 57.9                           |             | mg/28.5g       | 1.75                        |       |
| CBD per 28.5g                     | 855                            |             | mg/28.5g       | 9.30                        |       |
| CBD-A per 28.5g                   | 158                            |             | mg/28.5g       | 0.930                       |       |
| CBD-Total per 28.5g               | 994                            |             | mg/28.5g       | 10.1                        |       |
| CBDV per 28.5g <sup>†</sup>       | 11.5                           |             | mg/28.5g       | 0.930                       |       |
| CBDV-A per 28.5g <sup>†</sup>     | 4.82                           |             | mg/28.5g       | 0.930                       |       |
| CBDV-Total per 28.5g <sup>†</sup> | 15.7                           |             | mg/28.5g       | 1.74                        |       |



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Potency per 28.5g Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2102700 Analyze: 3/26/21 1:18:00 AM

| Analyte                           | Result | Limits | Units    | LOQ   | Notes |
|-----------------------------------|--------|--------|----------|-------|-------|
| CBG per 28.5g <sup>†</sup>        | 5.24   |        | mg/28.5g | 0.930 |       |
| CBG-A per 28.5g <sup>†</sup>      | 2.88   |        | mg/28.5g | 0.930 |       |
| CBG-Total per 28.5g <sup>†</sup>  | 7.74   |        | mg/28.5g | 1.74  |       |
| CBL per 28.5g <sup>†</sup>        | < LOQ  |        | mg/28.5g | 0.930 |       |
| CBN per 28.5g                     | < LOQ  |        | mg/28.5g | 0.930 |       |
| Δ8-THC per 28.5g <sup>†</sup>     | < LOQ  |        | mg/28.5g | 0.930 |       |
| Δ9-THC per 28.5g                  | 12.5   |        | mg/28.5g | 0.930 |       |
| THC-A per 28.5g                   | < LOQ  |        | mg/28.5g | 0.930 |       |
| THC-Total per 28.5g               | 12.5   |        | mg/28.5g | 1.75  |       |
| THCV per 28.5g <sup>†</sup>       | < LOQ  |        | mg/28.5g | 0.930 |       |
| THCV-A per 28.5g <sup>†</sup>     | < LOQ  |        | mg/28.5g | 0.930 |       |
| THCV-Total per 28.5g <sup>†</sup> | < LOQ  |        | mg/28.5g | 1.75  |       |



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These test results are representative of the individual sample selected and submitted by the client.

**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

**Units of Measure**

g = Gram

mg/28.5g = Milligram per 28.5g

% = Percentage of sample

% wt =  $\mu\text{g/g}$  divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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21-003146

**PIXIS Labs**  
A Tentamus Company

12423

Healthy Roots  
Our Roots Run Deep

id OR 97230 p.503-254-1794

**Cannabis Chain of Custody Record**

ORELAP ID: OR100028

| Client Sample Identification |        | Date/Time Collected | Analysis Requested |       |       |         |         |        |                              |                                         |         |                   | Sample Type    | Weight   | Serving size for edibles | Con                   | Report in mg/gr and % (percentage) |                                   |              |            |       |   |     |  |  |  |
|------------------------------|--------|---------------------|--------------------|-------|-------|---------|---------|--------|------------------------------|-----------------------------------------|---------|-------------------|----------------|----------|--------------------------|-----------------------|------------------------------------|-----------------------------------|--------------|------------|-------|---|-----|--|--|--|
| Comp                         | Cont   | Address             | City, St           | Email | Phone | Billing | Process | Licens | Pesticides - OR 59 compounds | Pesticide Multi-Residue - 379 compounds | Potency | Residual Solvents | Water Activity | Moisture | Terpenes                 | Micro: Yeast and Mold |                                    | Micro: E. Coli and Total Coliform | Heavy Metals | Mycotoxins | Other |   |     |  |  |  |
| 1                            | #138V2 | FSD                 |                    |       |       |         |         |        |                              |                                         | ✓       |                   |                |          |                          |                       |                                    |                                   |              |            |       | E | 1gr |  |  |  |
| 2                            | #139V2 | 1000mg FSD          |                    |       |       |         |         |        |                              |                                         | ✓       |                   |                |          |                          |                       |                                    |                                   |              |            |       | E | 1gr |  |  |  |
| 3                            | #142V2 | 1000mg FSD          |                    |       |       |         |         |        |                              |                                         | ✓       |                   |                |          |                          |                       |                                    |                                   |              |            |       | E | 1gr |  |  |  |
| 4                            | #143V2 | 2000mg FSD          |                    |       |       |         |         |        |                              |                                         | ✓       |                   |                |          |                          |                       |                                    |                                   |              |            |       | E | 1gr |  |  |  |
| 5                            | #144V2 | 3000mg FSD          |                    |       |       |         |         |        |                              |                                         | ✓       |                   |                |          |                          |                       |                                    |                                   |              |            |       | E | 1gr |  |  |  |

| Collected By:                                                                                                                                                                                                          | Relinquished By: | Date    | Time | Received by: | Date    | Time  | Lab Use Only:                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------|------|--------------|---------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Turnaround time:<br>Ask for availability<br><input type="checkbox"/> Standard (5 day)<br><input type="checkbox"/> Rush (3-4 day)<br>(1.5x Standard)<br><input type="checkbox"/> Priority Rush (2 day)<br>(2x Standard) | Erica Melton     | 3/24/21 |      | JB           | 3/24/21 | 11:05 | Client Alias:<br>Order Number:<br>Proper Container<br>Sample Condition<br>Temperature: 18.3<br>Shipped Via: client<br>Evidence of cooling: <input checked="" type="checkbox"/> No |

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

Revision: 3.00 Control#: CF023

[www.pixislabs.com](http://www.pixislabs.com)

Effective 05/22/2019 Revised 05/22/2019

[www.columbiainfoodlab.com](http://www.columbiainfoodlab.com)

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Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

#### Laboratory Quality Control Results

**J AOAC 2015 V98-6** **Batch ID: 2102700**

##### Laboratory Control Sample

| Analyte | Result  | Spike | Units | % Rec | Limits     | Evaluation | Notes |
|---------|---------|-------|-------|-------|------------|------------|-------|
| CBDV-A  | 0.00993 | 0.01  | %     | 99.3  | 85.0 - 115 | Acceptable |       |
| CBDV    | 0.0102  | 0.01  | %     | 102   | 85.0 - 115 | Acceptable |       |
| CBD-A   | 0.0101  | 0.01  | %     | 101   | 85.0 - 115 | Acceptable |       |
| CBG-A   | 0.00990 | 0.01  | %     | 99.0  | 85.0 - 115 | Acceptable |       |
| CBG     | 0.0100  | 0.01  | %     | 100   | 85.0 - 115 | Acceptable |       |
| CBD     | 0.0103  | 0.01  | %     | 103   | 85.0 - 115 | Acceptable |       |
| THCV    | 0.0100  | 0.01  | %     | 100   | 85.0 - 115 | Acceptable |       |
| THCVA   | 0.00969 | 0.01  | %     | 96.9  | 85.0 - 115 | Acceptable |       |
| CBN     | 0.0105  | 0.01  | %     | 105   | 85.0 - 115 | Acceptable |       |
| THC     | 0.0105  | 0.01  | %     | 105   | 85.0 - 115 | Acceptable |       |
| D8THC   | 0.00985 | 0.01  | %     | 98.5  | 85.0 - 115 | Acceptable |       |
| CBL     | 0.0100  | 0.01  | %     | 100   | 85.0 - 115 | Acceptable |       |
| CBC     | 0.0102  | 0.01  | %     | 102   | 85.0 - 115 | Acceptable |       |
| THCA    | 0.0104  | 0.01  | %     | 104   | 85.0 - 115 | Acceptable |       |
| CBCA    | 0.0105  | 0.01  | %     | 105   | 85.0 - 115 | Acceptable |       |

##### Method Blank

| Analyte | Result | LOQ   | Units | Limits  | Evaluation | Notes |
|---------|--------|-------|-------|---------|------------|-------|
| CBDV-A  | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBDV    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBD-A   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBG-A   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBG     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBD     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THCV    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THCVA   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBN     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THC     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| D8THC   | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBL     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBC     | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| THCA    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |
| CBCA    | <LOQ   | 0.003 | %     | < 0.003 | Acceptable |       |

##### Abbreviations

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation

##### Units of Measure:

% - Percent



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Revision #: 0.00 Control : CFL-D06  
Revision Date: 05/31/2019 Effective Date: 05/31/2019

**Laboratory Quality Control Results**

| J AOAC 2015 V98-6 |         |             |       | Batch ID: 2102700         |       |        |            |       |
|-------------------|---------|-------------|-------|---------------------------|-------|--------|------------|-------|
| Sample Duplicate  |         |             |       | Sample ID: 21-003103-0001 |       |        |            |       |
| Analyte           | Result  | Org. Result | LOQ   | Units                     | RPD   | Limits | Evaluation | Notes |
| CBDV-A            | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| CBDV              | 0.0210  | 0.0213      | 0.003 | %                         | 0.965 | < 20   | Acceptable |       |
| CBD-A             | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| CBG-A             | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| CBG               | 0.0291  | 0.0298      | 0.003 | %                         | 2.47  | < 20   | Acceptable |       |
| CBD               | 2.48    | 2.45        | 0.003 | %                         | 1.33  | < 20   | Acceptable |       |
| THCV              | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| THCVA             | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| CBN               | 0.00539 | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| THC               | 0.0764  | 0.0792      | 0.003 | %                         | 3.65  | < 20   | Acceptable |       |
| D8THC             | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| CBL               | 0.00739 | 0.00868     | 0.003 | %                         | 16.1  | < 20   | Acceptable |       |
| CBC               | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| THCA              | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |
| CBCA              | <LOQ    | <LOQ        | 0.003 | %                         | NA    | < 20   | Acceptable |       |

**Abbreviations**

ND - None Detected at or above MRL  
RPD - Relative Percent Difference  
LOQ - Limit of Quantitation  
NA - Calculation Not Applicable given non-numerical results

**Units of Measure:**

% - Percent



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Explanation of QC Flag Comments:

| Code | Explanation                                                                                 |
|------|---------------------------------------------------------------------------------------------|
| Q    | Matrix interferences affecting spike or surrogate recoveries.                               |
| Q1   | Quality control result biased high. Only non-detect samples reported.                       |
| Q2   | Quality control outside QC limits. Data considered estimate.                                |
| Q3   | Sample concentration greater than four times the amount spiked.                             |
| Q4   | Non-homogenous sample matrix, affecting RPD result and/or % recoveries.                     |
| Q5   | Spike results above calibration curve.                                                      |
| Q6   | Quality control outside QC limits. Data acceptable based on remaining QC.                   |
| R    | Relative percent difference (RPD) outside control limit.                                    |
| R1   | RPD non-calculable, as sample or duplicate results are less than five times the LOQ.        |
| R2   | Sample replicates RPD non-calculable, as only one replicate is within the analytical range. |
| LOQ1 | Quantitation level raised due to low sample volume and/or dilution.                         |
| LOQ2 | Quantitation level raised due to matrix interference.                                       |
| B    | Analyte detected in method blank, but not in associated samples.                            |
| B1   | The sample concentration is greater than 5 times the blank concentration.                   |
| B2   | The sample concentration is less than 5 times the blank concentration.                      |