



Customer: Healthy Roots
Product identity: Deep Relief
Client/Metric ID: .
Laboratory ID: 19-013096-0002

Summary

Potency:

| Analyte | Result | Limits | Units | Status | | |
|----------------------------|---------|--------|--------|--------|--------------------------------------|-------------|
| CBC [†] | 0.0584 | | % | | CBD-Total per 85g | 811 mg/85g |
| CBC-A [†] | 0.00393 | | % | | | |
| CBD | 0.900 | | % | | THC-Total per 85g | 18.3 mg/85g |
| CBD-A | 0.0623 | | % | | (Reported in milligrams per serving) | |
| CBDV [†] | 0.00465 | | % | | | |
| CBG [†] | 0.00647 | | % | | | |
| Δ9-THC | 0.0215 | | % | | | |
| Analyte per 85g | Result | Limits | Units | Status | | |
| CBC per 85g [†] | 49.6 | | mg/85g | | | |
| CBC-A per 85g [†] | 3.34 | | mg/85g | | | |
| CBD per 85g | 765 | | mg/85g | | | |
| CBD-A per 85g | 53.0 | | mg/85g | | | |
| CBDV per 85g [†] | 3.95 | | mg/85g | | | |
| CBG per 85g [†] | 5.50 | | mg/85g | | | |
| Δ9-THC per 85g | 18.3 | | mg/85g | | | |


Customer: Healthy Roots

Product identity: Deep Relief

Client/Metric ID: .

Sample Date:
Laboratory ID: 19-013096-0002

Relinquished by: Liz Merritt

Temp: 16.6 °C

Serving Size #1: 85 g

Sample Results

| Potency | | Batch: 1910053 | | | | | |
|-------------------------|---------|----------------|-------|--------|----------|-------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Analyze | Method | Notes |
| CBC [†] | 0.0584 | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBC-A [†] | 0.00393 | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBC-Total [†] | < LOQ | | % | 0.0062 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBD | 0.900 | | % | 0.0329 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBD-A | 0.0623 | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBD-Total | 0.955 | | % | 0.0358 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBDV [†] | 0.00465 | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBDV-A [†] | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBDV-Total [†] | < LOQ | | % | 0.0062 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBG [†] | 0.00647 | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBG-A [†] | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBG-Total [†] | 0.00730 | | % | 0.0062 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBL [†] | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| CBN | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| Δ8-THC [†] | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| Δ9-THC | 0.0215 | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| THC-A | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| THC-Total | 0.0215 | | % | 0.0062 | 11/05/19 | J AOAC 2015 V98-6 | |
| THCV [†] | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| THCV-A [†] | < LOQ | | % | 0.0033 | 10/31/19 | J AOAC 2015 V98-6 | |
| THCV-Total [†] | < LOQ | | % | 0.0062 | 11/05/19 | J AOAC 2015 V98-6 | |

| Potency per 85g | | Batch: 1910053 | | | | | |
|--------------------------------|--------|----------------|--------|------|----------|-------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Analyze | Method | Notes |
| CBC per 85g [†] | 49.6 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBC-A per 85g [†] | 3.34 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBC-Total per 85g [†] | 52.6 | | mg/85g | 5.32 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBD per 85g | 765 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBD-A per 85g | 53.0 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBD-Total per 85g | 811 | | mg/85g | 5.32 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBDV per 85g [†] | 3.95 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |



| Potency per 85g | | Batch: 1910053 | | | | | |
|---------------------------------|--------|----------------|--------|------|----------|-------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Analyze | Method | Notes |
| CBDV-A per 85g [†] | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBDV-Total per 85g [†] | < LOQ | | mg/85g | 5.29 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBG per 85g [†] | 5.50 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBG-A per 85g [†] | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBG-Total per 85g [†] | 6.21 | | mg/85g | 5.32 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBL per 85g [†] | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| CBN per 85g | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| Δ8-THC per 85g [†] | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| Δ9-THC per 85g | 18.3 | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| THC-A per 85g | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| THC-Total per 85g | 18.3 | | mg/85g | 5.32 | 11/05/19 | J AOAC 2015 V98-6 | |
| THCV per 85g [†] | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| THCV-A per 85g [†] | < LOQ | | mg/85g | 2.83 | 11/05/19 | J AOAC 2015 V98-6 | |
| THCV-Total per 85g [†] | < LOQ | | mg/85g | 5.29 | 11/05/19 | J AOAC 2015 V98-6 | |



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/85g = Milligram per 85g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

19-013096

ORELAP ID: OR100028

| | | | | | | | | | | | | | | | | | |
|--|---------------------|---|--|--|--|--|--|--|--|--|--|--|--|------------------------|--|-----------------|------------------|
| Company: <u>Healthy Roots</u> | | Analysis Requested | | | | | | | | | | | | Purchase Order Number: | | | |
| Contact: <u>Liz Merritt</u> | | <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> 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 </div> <div style="width: 50%;"> Project Number: Project Name: <input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other: </div> </div> | | | | | | | | | | | | Project Number: | | | |
| Address: <u>14323 NE Airport Way #117</u> | | | | | | | | | | | | | | Project Name: | | | |
| City, State, Zip: <u>Portland OR 97230</u> | | | | | | | | | | | | | | | | | |
| Email: | | | | | | | | | | | | | | | | | |
| Phone: <u>503-496-2329</u> Fax: | | | | | | | | | | | | | | | | | |
| Billing (if dif.) | | Sample Type Weight Serving size for edibles Comments/Metric ID | | | | | | | | | | | | | | | |
| Processor's License: <u>AG-L 1052211EP</u> | | | | | | | | | | | | | | | | | |
| Client Sample Identification | Date/Time Collected | | | | | | | | | | | | | | | | |
| <u>3000 Citrus</u> | | | | | | | | | | | | | | | | <u>29 grams</u> | <u>in mg / %</u> |
| <u>Deep Relief</u> | | | | | | | | | | | | | | | | <u>85 grams</u> | <u>in mg / %</u> |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | |
|--|--------------------|-----------------|--------------|--------------------|-----------------|-------------|---|
| Collected By: | Relinquished By: | Date | Time | Received by: | Date | Time | Lab Use Only: |
| Turnaround time: Ask for availability <input type="checkbox"/> Standard (5 day) <input type="checkbox"/> Rush (3-4 day) (1.5x Standard) <input type="checkbox"/> Priority Rush (2 day) (2x Standard) | <u>[Signature]</u> | <u>10/28/19</u> | <u>1:50A</u> | <u>[Signature]</u> | <u>12/28/19</u> | <u>7:50</u> | Client Alias: Order Number: Proper Container: Sample Condition: Temperature: Shipped Via: Evidence of cooling: <input checked="" type="checkbox"/> No |
| | | | | | | | <u>16.6 cc</u> |

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
Effective 05/22/2019 Revised 05/22/2019 www.columbiafoodlab.com

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BM
10-28-19



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: 1910053

Laboratory Control Sample

| Analyte | Result | Spike | Units | % Rec | Limits | Evaluation | Notes |
|---------|---------|-------|-------|-------|----------|------------|-------|
| CBDV-A | 0.00944 | 0.01 | % | 94.4 | 85 - 115 | Acceptable | |
| CBDV | 0.00997 | 0.01 | % | 99.7 | 85 - 115 | Acceptable | |
| CBD-A | 0.00924 | 0.01 | % | 92.4 | 85 - 115 | Acceptable | |
| CBG-A | 0.00950 | 0.01 | % | 95.0 | 85 - 115 | Acceptable | |
| CBG | 0.00946 | 0.01 | % | 94.6 | 85 - 115 | Acceptable | |
| CBD | 0.00988 | 0.01 | % | 98.8 | 85 - 115 | Acceptable | |
| THCV | 0.0101 | 0.01 | % | 101 | 85 - 115 | Acceptable | |
| THCVA | 0.00948 | 0.01 | % | 94.8 | 85 - 115 | Acceptable | |
| CBN | 0.00974 | 0.01 | % | 97.4 | 85 - 115 | Acceptable | |
| THC | 0.00982 | 0.01 | % | 98.2 | 85 - 115 | Acceptable | |
| D8THC | 0.00933 | 0.01 | % | 93.3 | 85 - 115 | Acceptable | |
| CBL | 0.00950 | 0.01 | % | 95.0 | 85 - 115 | Acceptable | |
| CBC | 0.0104 | 0.01 | % | 104 | 85 - 115 | Acceptable | |
| THCA | 0.0101 | 0.01 | % | 101 | 85 - 115 | Acceptable | |
| CBCA | 0.0104 | 0.01 | % | 104 | 85 - 115 | Acceptable | |

Method Blank

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


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

| J AOAC 2015 V98-6 | | | | Batch ID: 1910053 | | | | |
|-------------------|---------|-------------|-------|---------------------------|-------|--------|------------|-------|
| Sample Duplicate | | | | Sample ID: 19-012880-0001 | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDV-A | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBDV | 0.00553 | 0.00542 | 0.003 | % | 2.01 | < 20 | Acceptable | |
| CBD-A | 0.0208 | 0.0208 | 0.003 | % | 0 | < 20 | Acceptable | |
| CBG-A | 0.00400 | 0.00392 | 0.003 | % | 2.02 | < 20 | Acceptable | |
| CBG | 0.0943 | 0.0946 | 0.003 | % | 0.318 | < 20 | Acceptable | |
| CBD | 0.958 | 0.979 | 0.003 | % | 2.17 | < 20 | Acceptable | |
| THCV | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| THCVA | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBN | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| THC | 0.0766 | 0.0766 | 0.003 | % | 0 | < 20 | Acceptable | |
| D8THC | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBL | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBC | 0.0616 | 0.0617 | 0.003 | % | 0.162 | < 20 | Acceptable | |
| THCA | ND | ND | 0.003 | % | 0 | < 20 | Acceptable | |
| CBCA | 0.00466 | 0.00412 | 0.003 | % | 12.3 | < 20 | Acceptable | |

Abbreviations

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

Units of Measure:

% - Percent



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. |