



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



**Report Number:** 24-011166/D001.R000  
**Report Date:** 10/10/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/03/24 11:34

**Customer:** NW Natural Goods  
**Product identity:** BEV - BO 024268-1  
**Client/Metric ID:** .  
**Laboratory ID:** 24-011166-0001

**Summary**

**Potency:**

| Analyte per 355ml | Result | Limits | Units    | Status |  |
|-------------------|--------|--------|----------|--------|--|
| CBC per 355ml     | 0.554  |        | mg/355ml |        | CBD-Total per Serving Size 54.7 mg/355ml |
| CBD per 355ml     | 54.7   |        | mg/355ml |        |  |
| CBDV per 355ml    | 0.503  |        | mg/355ml |        | Delta-9-THC-Total per <LOQ               |
| CBG per 355ml     | 1.46   |        | mg/355ml |        | (Reported in milligrams per serving)     |

**Residual Solvents:**

*All analytes passing and less than LOQ.*

**Pesticides:**

| Analyte                         | Result (mg/kg)         | Limits (mg/kg) | Status |
|---------------------------------|------------------------|----------------|--------|
| Multi-Residue Pesticide Profile | < LOQ for all analytes |                |        |

**Metals:**

*Less than LOQ for all analytes.*

**Microbiology:**

*Less than LOQ for all analytes.*



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**Customer:** NW Natural Goods  
**Product identity:** BEV - BO 024268-1  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 24-011166-0001  
**Evidence of Cooling:** No  
**Temp:** 18.6 °C  
**Relinquished by:** BR  
**Serving Size #1:** 362.1 g  
**Density:** 1.020 g/ml

### Sample Results

| Potency per 355ml                |        | Method: J AOAC 2015 V98-6 (mod) <sup>b</sup> |          | Units mg/se Batch: 2407839 |       | Analyze: 10/8/24 7:16:00 PM |
|----------------------------------|--------|--|----------|----------------------------|-------|-----------------------------|
| Analyte                          | Result | Limits                                       | Units    | LOQ                        | Notes |                             |
| CBC per 355ml                    | 0.554  |  | mg/355ml | 0.360                      |       |                             |
| CBC-A per 355ml                  | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBC-Total per 355ml              | < LOQ  |  | mg/355ml | 0.675                      |       |                             |
| CBD per 355ml                    | 54.7   |  | mg/355ml | 0.360                      |       |                             |
| CBD-A per 355ml <sup>1</sup>     | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBD-Total per 355ml <sup>1</sup> | 54.7   |  | mg/355ml | 0.675                      |       |                             |
| CBDV per 355ml                   | 0.503  |  | mg/355ml | 0.360                      |       |                             |
| CBDV-A per 355ml                 | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBDV-Total per 355ml             | < LOQ  |  | mg/355ml | 0.672                      |       |                             |
| CBE per 355ml                    | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBG per 355ml                    | 1.46   |  | mg/355ml | 0.360                      |       |                             |
| CBG-A per 355ml                  | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBG-Total per 355ml              | 1.46   |  | mg/355ml | 0.672                      |       |                             |
| CBL per 355ml                    | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBL-A per 355ml                  | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBL-Total per 355ml              | < LOQ  |  | mg/355ml | 0.675                      |       |                             |
| CBN per 355ml                    | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| CBT per 355ml                    | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ10-THC-9R per 355ml             | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ10-THC-9S per 355ml             | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ10-THC-Total per 355ml          | < LOQ  |  | mg/355ml | 0.720                      |       |                             |
| Δ8-THC per 355ml <sup>1</sup>    | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ8-THCV per 355ml                | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ9-THC per 355ml <sup>1</sup>    | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ9-THC-Total per 355ml           | < LOQ  |  | mg/355ml | 0.675                      |       |                             |
| Δ9-THCP per 355ml                | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ9-THCV per 355ml                | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ9-THCV-A per 355ml              | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| Δ9-THCV-Total per 355ml          | < LOQ  |  | mg/355ml | 0.676                      |       |                             |
| exo-THC per 355ml                | < LOQ  |  | mg/355ml | 0.360                      |       |                             |
| THC-A per 355ml <sup>1</sup>     | < LOQ  |  | mg/355ml | 0.360                      |       |                             |



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| Potency per 355ml            | Method: J AOAC 2015 V98-6 (mod) <sup>b</sup> | Units mg/se   | Batch: 2407839 | Analyze: 10/8/24 7:16:00 PM |
|------------------------------|--|---------------|----------------|-----------------------------|
| <b>Analyte</b>               | <b>Result</b>                                | <b>Limits</b> | <b>Units</b>   | <b>LOQ</b>                  |
| Total Cannabinoids per 355ml | 57.2   |               | mg/355ml       |                             |

| Microbiology            |        |        |       |     |         |                                  |              |
|-------------------------|--------|--------|-------|-----|---------|----------------------------------|--------------|
| Analyte                 | Result | Limits | Units | LOQ | Batch   | Analyzed Method                  | Status Notes |
| Aerobic Plate Count     | < LOQ  |        | cfu/g | 10  | 2407704 | 10/06/24 AOAC 990.12 (Petrifilm) |              |
| E.coli                  | < LOQ  |        | cfu/g | 10  | 2407702 | 10/06/24 AOAC 991.14 (Petrifilm) |              |
| Total Coliforms         | < LOQ  |        | cfu/g | 10  | 2407702 | 10/06/24 AOAC 991.14 (Petrifilm) |              |
| Mold (RAPID Petrifilm)  | < LOQ  |        | cfu/g | 10  | 2407703 | 10/07/24 AOAC 2014.05 (RAPID)    |              |
| Yeast (RAPID Petrifilm) | < LOQ  |        | cfu/g | 10  | 2407703 | 10/07/24 AOAC 2014.05 (RAPID)    |              |

| Solvents   |        |            |      |               |       |  |        |        |      |        |       |
|--|--------|------------|------|---------------|-------|--|--------|--------|------|--------|-------|
| Method: Residual Solvents by HS-GC-MS <sup>b</sup> |        | Units µg/g |      | Batch 2407856 |       | Analyze 10/09/24 01:25 PM                      |        |        |      |        |       |
| Analyte  | Result | Limits     | LOQ  | Status        | Notes | Analyte  | Result | Limits | LOQ  | Status | Notes |
| 1,4-Dioxane <sup>1</sup>                           | < LOQ  | 380        | 100  | pass          |       | 2-Butanol <sup>1</sup>                         | < LOQ  | 5000   | 200  | pass   |       |
| 2-Ethoxyethanol <sup>1</sup>                       | < LOQ  | 160        | 30.0 | pass          |       | 2-Methylbutane (Isopentane) <sup>1</sup>       | < LOQ  |        | 200  |        |       |
| 2-Methylpentane <sup>1</sup>                       | < LOQ  |            | 30.0 |               |       | 2-Propanol (IPA) <sup>1</sup>                  | < LOQ  | 5000   | 200  | pass   |       |
| 2,2-Dimethylbutane <sup>1</sup>                    | < LOQ  |            | 30.0 |               |       | 2,2-Dimethylpropane (neo-pentane) <sup>1</sup> | < LOQ  |        | 200  |        |       |
| 2,3-Dimethylbutane <sup>1</sup>                    | < LOQ  |            | 30.0 |               |       | 3-Methylpentane <sup>1</sup>                   | < LOQ  |        | 30.0 |        |       |
| Acetone <sup>1</sup>                               | < LOQ  | 5000       | 200  | pass          |       | Acetonitrile <sup>1</sup>                      | < LOQ  | 410    | 100  | pass   |       |
| Benzene <sup>1</sup>                               | < LOQ  | 2.00       | 1.00 | pass          |       | Butanes (sum) <sup>1</sup>                     | < LOQ  | 5000   | 400  | pass   |       |
| Cyclohexane <sup>1</sup>                           | < LOQ  | 3880       | 200  | pass          |       | Ethyl acetate <sup>1</sup>                     | < LOQ  | 5000   | 200  | pass   |       |
| Ethyl benzene                                      | < LOQ  |            | 200  |               |       | Ethyl ether <sup>1</sup>                       | < LOQ  | 5000   | 200  | pass   |       |
| Ethylene glycol <sup>1</sup>                       | < LOQ  | 620        | 200  | pass          |       | Ethylene oxide <sup>1</sup>                    | < LOQ  | 50.0   | 20.0 | pass   |       |
| Hexanes (sum) <sup>1</sup>                         | < LOQ  | 290        | 150  | pass          |       | Isopropyl acetate <sup>1</sup>                 | < LOQ  | 5000   | 200  | pass   |       |
| Isopropylbenzene (Cumene) <sup>1</sup>             | < LOQ  | 70.0       | 30.0 | pass          |       | m,p-Xylene <sup>1</sup>                        | < LOQ  |        | 200  |        |       |
| Methanol <sup>1</sup>                              | < LOQ  | 3000       | 200  | pass          |       | Methylene chloride <sup>1</sup>                | < LOQ  | 600    | 60.0 | pass   |       |
| Methylpropane (Isobutane) <sup>1</sup>             | < LOQ  |            | 200  |               |       | n-Butane <sup>1</sup>                          | < LOQ  |        | 200  |        |       |
| n-Heptane <sup>1</sup>                             | < LOQ  | 5000       | 200  | pass          |       | n-Hexane <sup>1</sup>                          | < LOQ  |        | 30.0 |        |       |
| n-Pentane <sup>1</sup>                             | < LOQ  |            | 200  |               |       | o-Xylene <sup>1</sup>                          | < LOQ  |        | 200  |        |       |
| Pentanes (sum)                                     | < LOQ  | 5000       | 600  | pass          |       | Propane  | < LOQ  | 5000   | 200  | pass   |       |
| Tetrahydrofuran <sup>1</sup>                       | < LOQ  | 720        | 100  | pass          |       | Toluene <sup>1</sup>                           | < LOQ  | 890    | 100  | pass   |       |
| Total Xylenes <sup>1</sup>                         | < LOQ  |            | 400  |               |       | Total Xylenes and Ethyl benzene                | < LOQ  | 2170   | 600  | pass   |       |

| Pesticides                            |                        |             |        |                           |  |
|---------------------------------------|------------------------|-------------|--------|---------------------------|--|
| Method: AOAC 2007.01 & EN 15662 (mod) |                        | Units mg/kg |        | Batch 2407835             |  |
| Analyte                               | Result                 | Limits      | Status | Analyze 10/09/24 10:04 AM |  |
| Multi-Residue Pesticide Profile       | < LOQ for all analytes |             |        |                           |  |



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**Metals**

| Analyte              | Result | Limits | Units | LOQ     | Batch   | Analyzed Method                           | Status | Notes |
|----------------------|--------|--------|-------|---------|---------|---|--------|-------|
| Arsenic <sup>L</sup> | < LOQ  | 0.200  | mg/kg | 0.00395 | 2407738 | 10/04/24 AOAC 2013.06 (mod.) <sup>P</sup> | pass   |       |
| Cadmium <sup>L</sup> | < LOQ  | 0.200  | mg/kg | 0.00395 | 2407738 | 10/04/24 AOAC 2013.06 (mod.) <sup>P</sup> | pass   |       |
| Lead <sup>L</sup>    | < LOQ  | 0.500  | mg/kg | 0.00395 | 2407738 | 10/04/24 AOAC 2013.06 (mod.) <sup>P</sup> | pass   |       |
| Mercury <sup>L</sup> | < LOQ  | 0.100  | mg/kg | 0.00197 | 2407738 | 10/04/24 AOAC 2013.06 (mod.) <sup>P</sup> | pass   |       |

**Mycotoxins**

| Analyte                   | Result | Limits | Units | LOQ  | Batch   | Analyzed Method                                     | Status | Notes |
|---------------------------|--------|--------|-------|------|---------|---|--------|-------|
| Aflatoxin B1 <sup>L</sup> | < LOQ  |        | µg/kg | 5.00 | 2407756 | 10/07/24 AOAC 2007.01 & EN 15662 (mod)              |        |       |
| Aflatoxin B2 <sup>L</sup> | < LOQ  |        | µg/kg | 5.00 | 2407756 | 10/07/24 AOAC 2007.01 & EN 15662 (mod)              |        |       |
| Aflatoxin G1 <sup>L</sup> | < LOQ  |        | µg/kg | 5.00 | 2407756 | 10/07/24 AOAC 2007.01 & EN 15662 (mod)              |        |       |
| Aflatoxin G2 <sup>L</sup> | < LOQ  |        | µg/kg | 5.00 | 2407756 | 10/07/24 AOAC 2007.01 & EN 15662 (mod)              |        |       |
| Ochratoxin A <sup>L</sup> | < LOQ  | 20.0   | µg/kg | 5.00 | 2407756 | 10/07/24 AOAC 2007.01 & EN 15662 (mod)              | pass   |       |
| Total Aflatoxins          | < LOQ  | 20.0   | µg/kg | 20.0 |         | 10/10/24 AOAC 2007.01 & EN 15662 (mod) <sup>P</sup> | pass   |       |



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**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

⊥ = TNI accredited analyte.

**Units of Measure**

cfu/g = Colony forming units per gram

g = Gram

g/ml = Gram per milliliter

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/355ml = Milligram per 355ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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Hemp & Cannabis  
Chain of Custody

NW-Natural-Goods-  
1727908004

| Company Details           |                 | Project Details   |                 |                   | Testing                   |   |   |                                      |   |   |
|---------------------------|-----------------|---|-----------------|-------------------|---------------------------|---|---|--------------------------------------|---|---|
| Company: NW Natural Goods |                 | Turnaround Time: 5 Business Days   Req. For Micro Testing   Standard                  |                 |                   | MFD 10 - Micro Pro   le D | H0010 - Cannabis Heavy Metals Pro   le CR | P2320 - Multi-Residue Pesticide Pro   le (Cannabis) | H0042 - A. toxins+Ochratoxin   Q.LCC | H0008 - Residual Solvents (Cannabis - Oregon) | H0010 - Potency Cannabis (Basic+Expanded) |
| [Redacted]                |                 | Relinquishment   Sampling, Courier & Shipping Options: <u>Pick-Up Courier Service</u> |                 |                   |                           |   |   |                                      |   |   |
| [Redacted]                |                 | Pick-Up Details   |                 |                   |                           |   |   |                                      |   |   |
| [Redacted]                |                 | Pick-Up Location Name: NW Natural Goods   |                 |                   |                           |   |   |                                      |   |   |
| [Redacted]                |                 | Receipt Information   |                 |                   |                           |   |   |                                      |   |   |
| [Redacted]                |                 | Prelog Storage: Canna Shelves   |                 |                   |                           |   |   |                                      |   |   |
| [Redacted]                |                 | Sample Condition: Satisfactory  |                 |                   |                           |   |   |                                      |   |   |
| #                         | Sample Name     | Material  | Amount Provided | Reporting Unit    | Serving Size              |   |   |                                      |   |   |
| 1                         | BEV- B0024268-1 | Cannabinoid Beverage  | 4 each          | mg/g & mg/serving | 362.1g                    | ✓   | ✓   | ✓                                    | ✓   | ✓   |

| Relinquished By | Date       | Time  | Temp., °C | Received By | Date       | Time  | Received Temp., °C | Evidence of Cooling? |
|-----------------|------------|-------|-----------|-------------|------------|-------|--------------------|----------------------|
| JOE MANGAN      | 10/02/2024 | 15:26 | Temp., °C | BR          | 10/03/2024 | 10:06 | 25                 | No                   |
| BR              | 10/03/2024 | 11:04 | 18.6      | jmh         | 10/03/2024 | 11:34 | 25                 | No                   |

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the [current terms of services](#) associated with this COC. By signing "Relinquished by" you are agreeing to these terms.

Columbia Laboratories  
12423 NE Whitaker Way  
Portland, OR 97230

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Revision: 4 Document ID: 7148  
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2407839

| Laboratory Control Sample |     |         |         |       |       |        |       |            |       |
|---------------------------|-----|---------|---------|-------|-------|--------|-------|------------|-------|
| Analyte                   | LCS | Result  | Spike   | Units | % Rec | Limits |       | Evaluation | Notes |
| CBDVA                     | 2   | 0.0009  | 0.0009  | %     | 96.8  | 80.0   | - 120 | Acceptable |       |
| CBDV                      | 2   | 0.0009  | 0.0009  | %     | 102   | 80.0   | - 120 | Acceptable |       |
| CBE                       | 2   | 0.00110 | 0.00106 | %     | 103   | 80.0   | - 120 | Acceptable |       |
| CBDA                      | 1   | 0.00110 | 0.00108 | %     | 102   | 90.0   | - 110 | Acceptable |       |
| CBGA                      | 1   | 0.00105 | 0.00104 | %     | 101   | 80.0   | - 120 | Acceptable |       |
| CBG                       | 1   | 0.00107 | 0.0010  | %     | 112   | 80.0   | - 120 | Acceptable |       |
| CBD                       | 1   | 0.00102 | 0.0010  | %     | 104   | 90.0   | - 110 | Acceptable |       |
| THCV                      | 2   | 0.00107 | 0.00102 | %     | 105   | 80.0   | - 120 | Acceptable |       |
| d8THCV                    | 2   | 0.00108 | 0.00105 | %     | 103   | 80.0   | - 120 | Acceptable |       |
| THCVA                     | 2   | 0.0009  | 0.0009  | %     | 96.2  | 80.0   | - 120 | Acceptable |       |
| CBN                       | 1   | 0.00105 | 0.0010  | %     | 105   | 80.0   | - 120 | Acceptable |       |
| exo-THC                   | 2   | 0.00102 | 0.0010  | %     | 104   | 80.0   | - 120 | Acceptable |       |
| d9THC                     | 1   | 0.00103 | 0.0010  | %     | 108   | 90.0   | - 110 | Acceptable |       |
| d8THC                     | 1   | 0.00109 | 0.00103 | %     | 106   | 90.0   | - 110 | Acceptable |       |
| 9S-d10THC                 | 1   | 0.00109 | 0.00104 | %     | 105   | 80.0   | - 120 | Acceptable |       |
| CBL                       | 2   | 0.0010  | 0.0009  | %     | 106   | 80.0   | - 120 | Acceptable |       |
| 9R-d10THC                 | 1   | 0.00111 | 0.00107 | %     | 104   | 80.0   | - 120 | Acceptable |       |
| CBC                       | 2   | 0.00108 | 0.00104 | %     | 103   | 80.0   | - 120 | Acceptable |       |
| THCA                      | 1   | 0.00105 | 0.00105 | %     | 100   | 90.0   | - 110 | Acceptable |       |
| CBCA                      | 2   | 0.0009  | 0.0010  | %     | 94.6  | 80.0   | - 120 | Acceptable |       |
| CBLA                      | 2   | 0.0009  | 0.0010  | %     | 96.7  | 80.0   | - 120 | Acceptable |       |
| d9THCP                    | 2   | 0.00101 | 0.0010  | %     | 105   | 80.0   | - 120 | Acceptable |       |
| CBT                       | 2   | 0.00102 | 0.00101 | %     | 101   | 80.0   | - 120 | Acceptable |       |

| Method Blank |        |        |       |          |            |       |
|--------------|--------|--------|-------|----------|------------|-------|
| Analyte      | Result | LOQ    | Units | Limits   | Evaluation | Notes |
| CBDVA        | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBDV         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBE          | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBDA         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBGA         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBG          | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBD          | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| THCV         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| d8THCV       | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| THCVA        | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBN          | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| exo-THC      | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| d9THC        | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| d8THC        | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| 9S-d10THC    | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBL          | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| 9R-d10THC    | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBC          | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| THCA         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBCA         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBLA         | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| d9THCP       | <LOQ   | 0.0001 | %     | < 0.0001 | Acceptable |       |
| CBT          | <LOQ   | 0.0001 | %     | < 0.0001 | 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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Laboratory Quality Control Results

| JAOAC2015 V986   |        | Batch ID: 2407839        |        |       |       |        |            |       |
|------------------|--------|--------------------------|--------|-------|-------|--------|------------|-------|
| Sample Duplicate |        | Sample ID: 24-0068780006 |        |       |       |        |            |       |
| Analyte          | Result | Org. Result              | LOQ    | Units | RPD   | Limits | Evaluation | Notes |
| CBDVA            | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBDV             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBE              | 0.0001 | 0.0001                   | 0.0001 | %     | 16.7  | < 20   | Acceptable |       |
| CBDA             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBGA             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBG              | 0.0003 | 0.0004                   | 0.0001 | %     | 9.00  | < 20   | Acceptable |       |
| CBD              | 0.0135 | 0.0136                   | 0.0001 | %     | 0.227 | < 20   | Acceptable |       |
| THCV             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| d8THCV           | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| THCVA            | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBN              | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| exo-THC          | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| d9THC            | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| d8THC            | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| 9S-d10THC        | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBL              | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| 9R-d10THC        | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBC              | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| THCA             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBCA             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBLA             | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| d9THCP           | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |
| CBT              | <LOQ   | <LOQ                     | 0.0001 | %     | NA    | < 20   | Acceptable |       |

**Abbreviations**

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

**Units of Measure:**

% - Percent




**Laboratory Quality Control Results**

| Residual Solvents     |        |       |       | Batch ID: 2407856         |       |       |       |          |       |
|-----------------------|--------|-------|-------|---------------------------|-------|-------|-------|----------|-------|
| Method Blank          |        |       |       | Laboratory Control Sample |       |       |       |          |       |
| Analyte               | Result | LOQ   | Notes | Result                    | Spike | Units | % Rec | Limits   | Notes |
| Propane               | ND     | < 200 |       | 594                       | 585   | µg/g  | 101.5 | 60 - 120 |       |
| Isobutane             | ND     | < 200 |       | 752                       | 770   | µg/g  | 97.7  | 60 - 120 |       |
| Butane                | ND     | < 200 |       | 763                       | 769   | µg/g  | 99.2  | 60 - 120 |       |
| 2,2-Dimethylpropane   | ND     | < 200 |       | 921                       | 956   | µg/g  | 96.3  | 60 - 120 |       |
| Methanol              | ND     | < 200 |       | 1660                      | 1630  | µg/g  | 101.8 | 60 - 120 |       |
| Ethylene Oxide        | ND     | < 30  |       | 58.8                      | 57.7  | µg/g  | 101.9 | 60 - 120 |       |
| 2-Methylbutane        | ND     | < 200 |       | 1710                      | 1620  | µg/g  | 105.6 | 60 - 120 |       |
| Pentane               | ND     | < 200 |       | 1710                      | 1620  | µg/g  | 105.6 | 60 - 120 |       |
| Ethanol               | ND     | < 200 |       | 1880                      | 1620  | µg/g  | 116.0 | 70 - 130 |       |
| Ethyl Ether           | ND     | < 200 |       | 1790                      | 1620  | µg/g  | 110.5 | 60 - 120 |       |
| 2,2-Dimethylbutane    | ND     | < 30  |       | 208                       | 179   | µg/g  | 116.2 | 60 - 120 |       |
| Acetone               | ND     | < 200 |       | 1780                      | 1620  | µg/g  | 109.9 | 60 - 120 |       |
| 2-Propanol            | ND     | < 200 |       | 1830                      | 1620  | µg/g  | 113.0 | 60 - 120 |       |
| Ethyl Formate         | ND     | < 500 |       | 1550                      | 1610  | µg/g  | 96.3  | 70 - 130 |       |
| Acetonitrile          | ND     | < 100 |       | 530                       | 502   | µg/g  | 105.6 | 60 - 120 |       |
| Methyl Acetate        | ND     | < 500 |       | 1730                      | 1610  | µg/g  | 107.5 | 70 - 130 |       |
| 2,3-Dimethylbutane    | ND     | < 30  |       | 188                       | 180   | µg/g  | 104.4 | 60 - 120 |       |
| Dichloromethane       | ND     | < 60  |       | 582                       | 533   | µg/g  | 109.2 | 60 - 120 |       |
| 2-Methylpentane       | ND     | < 30  |       | 191                       | 181   | µg/g  | 105.5 | 60 - 120 |       |
| MTBE                  | ND     | < 500 |       | 1770                      | 1600  | µg/g  | 110.6 | 70 - 130 |       |
| 3-Methylpentane       | ND     | < 30  |       | 196                       | 177   | µg/g  | 110.7 | 60 - 120 |       |
| Hexane                | ND     | < 30  |       | 195                       | 182   | µg/g  | 107.1 | 60 - 120 |       |
| 1-Propanol            | ND     | < 500 |       | 1820                      | 1610  | µg/g  | 113.0 | 70 - 130 |       |
| Methylethylketone     | ND     | < 500 |       | 1780                      | 1600  | µg/g  | 111.3 | 70 - 130 |       |
| Ethyl acetate         | ND     | < 200 |       | 1730                      | 1620  | µg/g  | 106.8 | 60 - 120 |       |
| 2-Butanol             | ND     | < 200 |       | 1780                      | 1630  | µg/g  | 109.2 | 60 - 120 |       |
| Tetrahydrofuran       | ND     | < 100 |       | 554                       | 499   | µg/g  | 111.0 | 60 - 120 |       |
| Cyclohexane           | ND     | < 200 |       | 1760                      | 1610  | µg/g  | 109.3 | 60 - 120 |       |
| 2-methyl-1-propanol   | ND     | < 500 |       | 1850                      | 1600  | µg/g  | 115.6 | 70 - 130 |       |
| Benzene               | ND     | < 1   |       | 6.06                      | 5.01  | µg/g  | 121.0 | 60 - 120 | Q1    |
| Isopropyl Acetate     | ND     | < 200 |       | 1850                      | 1620  | µg/g  | 114.2 | 60 - 120 |       |
| Heptane               | ND     | < 200 |       | 1800                      | 1610  | µg/g  | 111.8 | 60 - 120 |       |
| 1-Butanol             | ND     | < 500 |       | 1880                      | 1600  | µg/g  | 117.5 | 70 - 130 |       |
| Propyl Acetate        | ND     | < 500 |       | 1830                      | 1600  | µg/g  | 114.4 | 70 - 130 |       |
| 1,4-Dioxane           | ND     | < 100 |       | 535                       | 493   | µg/g  | 108.5 | 60 - 120 |       |
| 2-Ethoxyethanol       | ND     | < 30  |       | 196                       | 182   | µg/g  | 107.7 | 60 - 120 |       |
| Methylisobutylketone  | ND     | < 500 |       | 1800                      | 1610  | µg/g  | 111.8 | 70 - 130 |       |
| 3-Methyl-1-butanol    | ND     | < 500 |       | 1840                      | 1600  | µg/g  | 115.0 | 70 - 130 |       |
| Ethylene Glycol       | ND     | < 200 |       | 490                       | 501   | µg/g  | 97.8  | 60 - 120 |       |
| Toluene               | ND     | < 100 |       | 532                       | 501   | µg/g  | 106.2 | 60 - 120 |       |
| Isobutyl Acetate      | ND     | < 500 |       | 1900                      | 1600  | µg/g  | 118.8 | 70 - 130 |       |
| 1-Pentanol            | ND     | < 500 |       | 2110                      | 1600  | µg/g  | 131.9 | 70 - 130 | Q1    |
| Butyl Acetate         | ND     | < 500 |       | 2030                      | 1600  | µg/g  | 126.9 | 70 - 130 |       |
| Ethylbenzene          | ND     | < 200 |       | 1070                      | 981   | µg/g  | 109.1 | 60 - 120 |       |
| m,p-Xylene            | ND     | < 200 |       | 1110                      | 1000  | µg/g  | 111.0 | 60 - 120 |       |
| o-Xylene              | ND     | < 200 |       | 1060                      | 981   | µg/g  | 108.1 | 60 - 120 |       |
| Cumene                | ND     | < 30  |       | 186                       | 177   | µg/g  | 105.1 | 60 - 120 |       |
| Anisole               | ND     | < 500 |       | 1640                      | 1610  | µg/g  | 101.9 | 70 - 130 |       |
| DMSO                  | ND     | < 500 |       | 1520                      | 1600  | µg/g  | 95.0  | 70 - 130 |       |
| 1,2-dimethoxyethane   | ND     | < 50  |       | 192                       | 161   | µg/g  | 119.3 | 70 - 130 |       |
| Triethylamine         | ND     | < 500 |       | 1730                      | 1600  | µg/g  | 108.1 | 70 - 130 |       |
| N,N-dimethylformamide | ND     | < 150 |       | 644                       | 484   | µg/g  | 133.1 | 70 - 130 | Q1    |
| N,N-dimethylacetamide | ND     | < 150 |       | 508                       | 497   | µg/g  | 102.2 | 70 - 130 |       |
| Pyridine              | ND     | < 50  |       | 240                       | 162   | µg/g  | 148.1 | 70 - 130 | Q1    |
| Sulfolane             | ND     | < 50  |       | 140                       | 166   | µg/g  | 84.3  | 70 - 130 |       |


**QC - Sample Duplicate**
**Sample ID: 24-009904-0001**

| Analyte               | Result | Org. Result | LOQ | Units | RPD | Limits | Accept/Fail | Notes |
|-----------------------|--------|-------------|-----|-------|-----|--------|-------------|-------|
| Propane               | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Isobutane             | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Butane                | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2,2-Dimethylpropane   | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Methanol              | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethylene Oxide        | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2-Methylbutane        | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Pentane               | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethanol               | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethyl Ether           | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2,2-Dimethylbutane    | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Acetone               | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2-Propanol            | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethyl Formate         | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Acetonitrile          | ND     | ND          | 100 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Methyl Acetate        | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2,3-Dimethylbutane    | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Dichloromethane       | ND     | ND          | 60  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2-Methylpentane       | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| MTBE                  | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 3-Methylpentane       | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Hexane                | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 1-Propanol            | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Methylethylketone     | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethyl acetate         | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2-Butanol             | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Tetrahydrofuran       | ND     | ND          | 100 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Cyclohexane           | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2-methyl-1-propanol   | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Benzene               | ND     | ND          | 1   | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Isopropyl Acetate     | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Heptane               | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 1-Butanol             | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Propyl Acetate        | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 1,4-Dioxane           | ND     | ND          | 100 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 2-Ethoxyethanol       | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Methylisobutylketone  | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 3-Methyl-1-butanol    | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethylene Glycol       | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Toluene               | ND     | ND          | 100 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Isobutyl Acetate      | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 1-Pentanol            | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Butyl Acetate         | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Ethylbenzene          | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| m,p-Xylene            | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| o-Xylene              | ND     | ND          | 200 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Cumene                | ND     | ND          | 30  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Anisole               | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| DMSO                  | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| 1,2-dimethoxyethane   | ND     | ND          | 50  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Triethylamine         | ND     | ND          | 500 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| N,N-dimethylformamide | ND     | ND          | 150 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| N,N-dimethylacetamide | ND     | ND          | 150 | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Pyridine              | ND     | ND          | 50  | µg/g  | 0.0 | < 20   | Acceptable  |       |
| Sulfolane             | ND     | ND          | 50  | µg/g  | 0.0 | < 20   | Acceptable  |       |

**Abbreviations**

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

**Units of Measure:**

µg/g- Microgram per gram or ppm



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



**Report Number:** 24-011166/D001.R000  
**Report Date:** 10/10/2024  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/03/24 11:34





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.                      |