



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



Report Number: 24-004574/D001.R000
Report Date: 05/03/2024
ORELAP#: OR100028
Purchase Order:
Received: 04/26/24 12:52

Customer: NW Natural Goods
Product identity: BEV - BB 024116-1
Client/Metric ID: .
Laboratory ID: 24-004574-0001

Summary

Potency:

| Analyte per 355ml | Result | Limits | Units | Status | |
|-------------------|--------|--------|----------|--------|--|
| CBD per 355ml | 24.2 | | mg/355ml | | CBD-Total per Serving Size 24.2 mg/355ml |
| CBG per 355ml | 0.561 | | mg/355ml | | |
| | | | | | THC-Total per Serving Size <LOQ |
| | | | | | (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 - BB 024116-1
Client/Metric ID: .
Sample Date:
Laboratory ID: 24-004574-0001
Evidence of Cooling: No
Temp: 17.6
Relinquished by: client
Serving Size #1: 362.1 g
Density: 1.020 g/ml

Sample Results

| Potency per 355ml | Method: J AOAC 2015 V98-6 (mod) | Units mg/se | Batch: 2403349 | Analyze: 5/1/24 8:33:00 PM | |
|-------------------------|---------------------------------|-------------|----------------|----------------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBC per 355ml | < LOQ | | 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 | 24.2 | | mg/355ml | 0.360 | |
| CBD-A per 355ml | < LOQ | | mg/355ml | 0.360 | |
| CBD-Total per 355ml | 24.2 | | mg/355ml | 0.675 | |
| CBDV per 355ml | < LOQ | | 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 | 0.561 | | mg/355ml | 0.360 | |
| CBG-A per 355ml | < LOQ | | mg/355ml | 0.360 | |
| CBG-Total per 355ml | < LOQ | | 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 | |
| Δ8-THCV 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 | < LOQ | | mg/355ml | 0.360 | |
| Δ9-THC per 355ml | < LOQ | | mg/355ml | 0.360 | |
| delta-9-THCP per 355ml | < LOQ | | mg/355ml | 0.360 | |
| exo-THC per 355ml | < LOQ | | mg/355ml | 0.360 | |
| THC-A per 355ml | < LOQ | | mg/355ml | 0.360 | |
| THC-Total per 355ml | < LOQ | | mg/355ml | 0.675 | |
| THCV per 355ml | < LOQ | | mg/355ml | 0.360 | |
| THCV-A per 355ml | < LOQ | | mg/355ml | 0.360 | |
| THCV-Total per 355ml | < LOQ | | mg/355ml | 0.676 | |

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

Testing in accordance with: OAR 333-007-0430



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Purchase Order:
Received: 04/26/24 12:52

Potency per 355ml Method: J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2403349 Analyze: 5/1/24 8:33:00 PM

| Analyte | Result | Limits | Units | LOQ | Notes |
|------------------------------|--------|--------|----------|-----|-------|
| Total Cannabinoids per 355ml | 24.7 | | mg/355ml | | |

Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
|-------------------------|--------|--------|-------|-----|---------|----------------------------------|--------|-------|
| Aerobic Plate Count | < LOQ | | cfu/g | 10 | 2403204 | 04/29/24 AOAC 990.12 (Petrifilm) | | |
| E.coli | < LOQ | | cfu/g | 10 | 2403202 | 04/29/24 AOAC 991.14 (Petrifilm) | | |
| Total Coliforms | < LOQ | | cfu/g | 10 | 2403202 | 04/29/24 AOAC 991.14 (Petrifilm) | | |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2403203 | 04/30/24 AOAC 2014.05 (RAPID) | | |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2403203 | 04/30/24 AOAC 2014.05 (RAPID) | | |

Solvents Method: Residual Solvents by HS-GC-MS^b Units µg/g Batch 2403361 Analyze 05/02/24 01:02 PM

| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
|----------------------------|--------|--------|------|--------|-------|------------------------------------|--------|--------|------|--------|-------|
| 1,4-Dioxane* | < LOQ | 380 | 100 | pass | | 2-Butanol* | < LOQ | 5000 | 200 | pass | |
| 2-Ethoxyethanol* | < LOQ | 160 | 30.0 | pass | | 2-Methylbutane (Isopentane)* | < LOQ | | 200 | | |
| 2-Methylpentane* | < LOQ | | 30.0 | | | 2-Propanol (IPA)* | < LOQ | 5000 | 200 | pass | |
| 2,2-Dimethylbutane* | < LOQ | | 30.0 | | | 2,2-Dimethylpropane (neo-pentane)* | < LOQ | | 200 | | |
| 2,3-Dimethylbutane* | < LOQ | | 30.0 | | | 3-Methylpentane* | < LOQ | | 30.0 | | |
| Acetone* | < LOQ | 5000 | 200 | pass | | Acetonitrile* | < LOQ | 410 | 100 | pass | |
| Benzene* | < LOQ | 2.00 | 1.00 | pass | | Butanes (sum)* | < LOQ | 5000 | 400 | pass | |
| Cyclohexane* | < LOQ | 3880 | 200 | pass | | Ethyl acetate* | < LOQ | 5000 | 200 | pass | |
| Ethyl benzene | < LOQ | | 200 | | | Ethyl ether* | < LOQ | 5000 | 200 | pass | |
| Ethylene glycol* | < LOQ | 620 | 200 | pass | | Ethylene oxide* | < LOQ | 50.0 | 20.0 | pass | |
| Hexanes (sum)* | < LOQ | 290 | 150 | pass | | Isopropyl acetate* | < LOQ | 5000 | 200 | pass | |
| Isopropylbenzene (Cumene)* | < LOQ | 70.0 | 30.0 | pass | | m,p-Xylene* | < LOQ | | 200 | | |
| Methanol* | < LOQ | 3000 | 200 | pass | | Methylene chloride* | < LOQ | 600 | 60.0 | pass | |
| Methylpropane (Isobutane)* | < LOQ | | 200 | | | n-Butane* | < LOQ | | 200 | | |
| n-Heptane* | < LOQ | 5000 | 200 | pass | | n-Hexane* | < LOQ | | 30.0 | | |
| n-Pentane* | < LOQ | | 200 | | | o-Xylene* | < LOQ | | 200 | | |
| Pentanes (sum) | < LOQ | 5000 | 600 | pass | | Propane* | < LOQ | 5000 | 200 | pass | |
| Tetrahydrofuran* | < LOQ | 720 | 100 | pass | | Toluene* | < LOQ | 890 | 100 | pass | |
| Total Xylenes* | < LOQ | | 400 | | | Total Xylenes and Ethyl benzene | < LOQ | 2170 | 600 | pass | |

Pesticides Method: AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2403359 Analyze 05/02/24 12:41 PM

| Analyte | Result | Limits | Status | Notes |
|---------------------------------|------------------------|--------|--------|-------|
| Multi-Residue Pesticide Profile | < LOQ for all analytes | | | |



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Metals

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
|----------------------|--------|--------|-------|---------|---------|---|--------|-------|
| Arsenic [‡] | < LOQ | 0.200 | mg/kg | 0.00349 | 2403278 | 04/29/24 AOAC 2013.06 (mod.) ^P | pass | |
| Cadmium [‡] | < LOQ | 0.200 | mg/kg | 0.00349 | 2403278 | 04/29/24 AOAC 2013.06 (mod.) ^P | pass | |
| Lead [‡] | < LOQ | 0.500 | mg/kg | 0.00349 | 2403278 | 04/29/24 AOAC 2013.06 (mod.) ^P | pass | |
| Mercury [‡] | < LOQ | 0.100 | mg/kg | 0.00174 | 2403278 | 04/29/24 AOAC 2013.06 (mod.) ^P | pass | |

Mycotoxins

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
|------------------|--------|--------|-------|------|---------|---|--------|-------|
| Aflatoxin B1 | < LOQ | | µg/kg | 5.00 | 2403321 | 05/01/24 AOAC 2007.01 & EN 15662 (mod) ^P | | |
| Aflatoxin B2 | < LOQ | | µg/kg | 5.00 | 2403321 | 05/01/24 AOAC 2007.01 & EN 15662 (mod) ^P | | |
| Aflatoxin G1 | < LOQ | | µg/kg | 5.00 | 2403321 | 05/01/24 AOAC 2007.01 & EN 15662 (mod) ^P | | |
| Aflatoxin G2 | < LOQ | | µg/kg | 5.00 | 2403321 | 05/01/24 AOAC 2007.01 & EN 15662 (mod) ^P | | |
| Ochratoxin A | < LOQ | 20.0 | µg/kg | 5.00 | 2403321 | 05/01/24 AOAC 2007.01 & EN 15662 (mod) ^P | pass | |
| Total Aflatoxins | < LOQ | 20.0 | µg/kg | 20.0 | | 05/03/24 AOAC 2007.01 & EN 15662 (mod) ^P | 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



NW-Natural-Goods-
1774075961

Hemp & Cannabis
Chain of Custody

ORELAP ID: OR1000028 ANAB ISO 17025 ID: AT1508

| | | | |
|--|---|--|--|
| <p>Company Details Company: <u>NW Natural Goods</u></p> | | <p>Project Details Turnaround Time: 5 Business Days (Ret., For Micro Testing) (Standard) Relinquishment Sampling, Courier & Shipping Options: <u>Click-Up Courier Service</u> Compliance: <u>Compliance</u></p> | |
| <p>Pick-Up Details Pick-Up Location Name: <u>NW Natural Goods</u></p> | | <p>Receipt Information Pre-Log Storage: <u>Canna Shelves</u></p> | |
| <p>Sample Name BEV-EB 024116-1</p> | <p>Material Cannabidiol Beverage</p> | <p>Amount Provided 4 each</p> | <p>Reporting Unit mg/g & mg/serving</p> |
| | | <p>Serving Size 355 g</p> | |

TESTING

| | | |
|---|---|---|
| H0013 - Cannabis Heavy Metals Profile CR | ✓ | ✓ |
| M1010 - Micro Profile D | ✓ | ✓ |
| H0010 - Potency Cannabis (Basic+Expanded) | ✓ | ✓ |
| H0008 - Pesticidal Solvents (Cannabis - Oregon) | ✓ | ✓ |
| P2320 - Multi-Pesticide Profile (Cannabis) | ✓ | ✓ |
| H0042 - Aflatoxins+Ochratoxin A (LLO) | ✓ | ✓ |

| Relinquished By | Date | Time | Temp., °C | Received By | Date | Time | Received Temp., °C | Evidence of Cooling? |
|--------------------|------------|-------|-----------|-------------|------------|-------|--------------------|----------------------|
| <i>Unknae Hood</i> | 04/25/2024 | 13:12 | 17.6 | BR | 04/26/2024 | 10:28 | 25 | No |
| BR | 04/26/2024 | 12:25 | 17.6 | NR | 04/26/2024 | 12:52 | 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 this report, you are agreeing to these terms.

Columbia Laboratories
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Portland, OR 97230

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2403349

| Laboratory Control Sample | | | | | | | | | | |
|---------------------------|-----|---------|---------|-------|-------|--------|-------|------------|-------|--|
| Analyte | LCS | Result | Spike | Units | % Rec | Limits | | Evaluation | Notes | |
| CBDVA | 2 | 0.00100 | 0.00109 | % | 92.4 | 80.0 | - 120 | Acceptable | | |
| CBDV | 2 | 0.00106 | 0.00103 | % | 103 | 80.0 | - 120 | Acceptable | | |
| CBE | 2 | 0.0009 | 0.0010 | % | 99.2 | 80.0 | - 120 | Acceptable | | |
| CBDA | 1 | 0.0009 | 0.0009 | % | 91.5 | 90.0 | - 110 | Acceptable | | |
| CBGA | 1 | 0.0008 | 0.0009 | % | 92.2 | 80.0 | - 120 | Acceptable | | |
| CBG | 1 | 0.00100 | 0.00104 | % | 96.2 | 80.0 | - 120 | Acceptable | | |
| CBD | 1 | 0.00102 | 0.00102 | % | 100.0 | 90.0 | - 110 | Acceptable | | |
| THCV | 2 | 0.00105 | 0.00102 | % | 103 | 80.0 | - 120 | Acceptable | | |
| d8THCV | 2 | 0.00111 | 0.00109 | % | 102 | 80.0 | - 120 | Acceptable | | |
| THCVA | 2 | 0.0009 | 0.0010 | % | 91.5 | 80.0 | - 120 | Acceptable | | |
| CBN | 1 | 0.0010 | 0.0010 | % | 101 | 80.0 | - 120 | Acceptable | | |
| exo-THC | 2 | 0.00103 | 0.00100 | % | 103 | 80.0 | - 120 | Acceptable | | |
| d9THC | 1 | 0.00101 | 0.0010 | % | 103 | 90.0 | - 110 | Acceptable | | |
| d8THC | 1 | 0.0010 | 0.0010 | % | 101 | 90.0 | - 110 | Acceptable | | |
| 9S-d10THC | 1 | 0.0010 | 0.0010 | % | 101 | 80.0 | - 120 | Acceptable | | |
| CBL | 2 | 0.00103 | 0.0010 | % | 104 | 80.0 | - 120 | Acceptable | | |
| 9R-d10THC | 1 | 0.0010 | 0.0009 | % | 100 | 80.0 | - 120 | Acceptable | | |
| CBC | 2 | 0.00108 | 0.00105 | % | 103 | 80.0 | - 120 | Acceptable | | |
| THCA | 1 | 0.0008 | 0.0009 | % | 91.3 | 90.0 | - 110 | Acceptable | | |
| CBCA | 2 | 0.0009 | 0.00100 | % | 87.4 | 80.0 | - 120 | Acceptable | | |
| CBLA | 2 | 0.0009 | 0.00102 | % | 92.6 | 80.0 | - 120 | Acceptable | | |
| d9THCP | 2 | 0.00101 | 0.0010 | % | 104 | 80.0 | - 120 | Acceptable | | |
| CBT | 2 | 0.00108 | 0.00107 | % | 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

| AOAC 2015 V98-6 | | Batch ID: 2403349 | | | | | | |
|------------------|---------|---------------------------|--------|-------|------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 24-004498-0001 | | | | | | |
| 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 | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBDA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.0001 | % | NA | < 20 | Acceptable | |
| CBG | 0.0002 | 0.0002 | 0.0001 | % | 2.22 | < 20 | Acceptable | |
| CBD | 0.00653 | 0.00637 | 0.0001 | % | 2.54 | < 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: 2403361 | | | |
|-----------------------|--------|-------|-------|---------------------------|-------|-------|--------------------|
| Method Blank | | | | Laboratory Control Sample | | | |
| Analyte | Result | LOQ | Notes | Result | Spike | Units | % Rec Limits Notes |
| Propane | ND | < 200 | | 589 | 584 | µg/g | 100.9 60 - 120 |
| Isobutane | ND | < 200 | | 706 | 767 | µg/g | 92.0 60 - 120 |
| Butane | ND | < 200 | | 696 | 782 | µg/g | 89.0 60 - 120 |
| 2,2-Dimethylpropane | ND | < 200 | | 880 | 939 | µg/g | 93.7 60 - 120 |
| Methanol | ND | < 200 | | 1670 | 1600 | µg/g | 104.4 60 - 120 |
| Ethylene Oxide | ND | < 30 | | 52.9 | 57.1 | µg/g | 92.6 60 - 120 |
| 2-Methylbutane | ND | < 200 | | 1620 | 1600 | µg/g | 101.3 60 - 120 |
| Pentane | ND | < 200 | | 1520 | 1600 | µg/g | 95.0 60 - 120 |
| Ethanol | ND | < 200 | | 1530 | 1600 | µg/g | 95.6 70 - 130 |
| Ethyl Ether | ND | < 200 | | 1730 | 1600 | µg/g | 108.1 60 - 120 |
| 2,2-Dimethylbutane | ND | < 30 | | 172 | 163 | µg/g | 105.5 60 - 120 |
| Acetone | ND | < 200 | | 1690 | 1610 | µg/g | 105.0 60 - 120 |
| 2-Propanol | ND | < 200 | | 1640 | 1600 | µg/g | 102.5 60 - 120 |
| Ethyl Formate | ND | < 500 | | 1630 | 1620 | µg/g | 100.6 70 - 130 |
| Acetonitrile | ND | < 100 | | 481 | 481 | µg/g | 100.0 60 - 120 |
| Methyl Acetate | ND | < 500 | | 1670 | 1610 | µg/g | 103.7 70 - 130 |
| 2,3-Dimethylbutane | ND | < 30 | | 164 | 161 | µg/g | 101.9 60 - 120 |
| Dichloromethane | ND | < 60 | | 492 | 481 | µg/g | 102.3 60 - 120 |
| 2-Methylpentane | ND | < 30 | | 164 | 162 | µg/g | 101.2 60 - 120 |
| MTBE | ND | < 500 | | 1660 | 1610 | µg/g | 103.1 70 - 130 |
| 3-Methylpentane | ND | < 30 | | 167 | 163 | µg/g | 102.5 60 - 120 |
| Hexane | ND | < 30 | | 172 | 163 | µg/g | 105.5 60 - 120 |
| 1-Propanol | ND | < 500 | | 1680 | 1600 | µg/g | 105.0 70 - 130 |
| Methylethylketone | ND | < 500 | | 1720 | 1610 | µg/g | 106.8 70 - 130 |
| Ethyl acetate | ND | < 200 | | 1680 | 1610 | µg/g | 104.3 60 - 120 |
| 2-Butanol | ND | < 200 | | 1680 | 1600 | µg/g | 105.0 60 - 120 |
| Tetrahydrofuran | ND | < 100 | | 524 | 487 | µg/g | 107.6 60 - 120 |
| Cyclohexane | ND | < 200 | | 1770 | 1610 | µg/g | 109.9 60 - 120 |
| 2-methyl-1-propanol | ND | < 500 | | 1840 | 1610 | µg/g | 114.3 70 - 130 |
| Benzene | ND | < 1 | | 5.2 | 4.88 | µg/g | 106.6 60 - 120 |
| Isopropyl Acetate | ND | < 200 | | 1750 | 1610 | µg/g | 108.7 60 - 120 |
| Heptane | ND | < 200 | | 1780 | 1600 | µg/g | 111.3 60 - 120 |
| 1-Butanol | ND | < 500 | | 1820 | 1610 | µg/g | 113.0 70 - 130 |
| Propyl Acetate | ND | < 500 | | 1880 | 1610 | µg/g | 116.8 70 - 130 |
| 1,4-Dioxane | ND | < 100 | | 524 | 484 | µg/g | 108.3 60 - 120 |
| 2-Ethoxyethanol | ND | < 30 | | 164 | 162 | µg/g | 101.2 60 - 120 |
| Methylisobutylketone | ND | < 500 | | 1890 | 1630 | µg/g | 116.0 70 - 130 |
| 3-Methyl-1-butanol | ND | < 500 | | 1900 | 1610 | µg/g | 118.0 70 - 130 |
| Ethylene Glycol | ND | < 200 | | 406 | 496 | µg/g | 81.9 60 - 120 |
| Toluene | ND | < 100 | | 534 | 486 | µg/g | 109.9 60 - 120 |
| Isobutyl Acetate | ND | < 500 | | 1860 | 1610 | µg/g | 115.5 70 - 130 |
| 1-Pentanol | ND | < 500 | | 1870 | 1600 | µg/g | 116.9 70 - 130 |
| Butyl Acetate | ND | < 500 | | 1880 | 1600 | µg/g | 117.5 70 - 130 |
| Ethylbenzene | ND | < 200 | | 1080 | 961 | µg/g | 112.4 60 - 120 |
| m,p-Xylene | ND | < 200 | | 1100 | 973 | µg/g | 113.1 60 - 120 |
| o-Xylene | ND | < 200 | | 1120 | 963 | µg/g | 116.3 60 - 120 |
| Cumene | ND | < 30 | | 187 | 164 | µg/g | 114.0 60 - 120 |
| Anisole | ND | < 500 | | 2000 | 1600 | µg/g | 125.0 70 - 130 |
| DMSO | ND | < 500 | | 1730 | 1610 | µg/g | 107.5 70 - 130 |
| 1,2-dimethoxyethane | ND | < 50 | | 190 | 170 | µg/g | 111.8 70 - 130 |
| Triethylamine | ND | < 500 | | 1890 | 1600 | µg/g | 118.1 70 - 130 |
| N,N-dimethylformamide | ND | < 150 | | 541 | 482 | µg/g | 112.2 70 - 130 |
| N,N-dimethylacetamide | ND | < 150 | | 588 | 488 | µg/g | 120.5 70 - 130 |
| Pyridine | ND | < 50 | | 185 | 164 | µg/g | 112.8 70 - 130 |
| Sulfolane | ND | < 50 | | 189 | 169 | µg/g | 111.8 70 - 130 |


QC - Sample Duplicate
Sample ID: 24-004549-0001

| 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 | 244 | 248 | 200 | µg/g | 1.6 | < 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: 24-004574/D001.R000
Report Date: 05/03/2024
ORELAP#: OR100028
Purchase Order:
Received: 04/26/24 12:52





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. |