Columbia LABORATORIES
A Tentamus Company

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

**Report Number:** 25-002437/D001.R000
**Report Date:** 03/17/2025
**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 03/10/25 11:28

**Customer:** NW Natural Goods
**Product identity:** HEMP - LM 0101
**Metrc ID:** .
**Metrc Source ID:**
**Laboratory ID:** 25-002437-0001

## Summary

### Potency:

| Analyte per 4g | Result | Limits | Units | Status |
|---|---|---|---|---|
| CBC per 4g | 0.218 | | mg/4g | |
| CBD per 4g | 24.2 | | mg/4g | |
| CBDV per 4g | 0.184 | | mg/4g | |
| CBG per 4g | 0.700 | | mg/4g | |

| | |
|---|---|
| CBD-Total per Serving Size | 24.2 mg/4g |
| Delta-9-THC-Total per | <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.*






Testing in accordance with: OAR 333-007-0430

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**Customer:** NW Natural Goods
United States of America (USA)
**Product identity:** HEMP - LM 0101
**Metrc ID:** .
**Metrc Source ID:**
**Material:** Cannabinoid Edible
**Sample Date:**
**Laboratory ID:** 25-002437-0001
**Evidence of Cooling:** No
**Temp:** 17.5 °C
**Serving Size #1:** 4 g

## Sample Results

Potency per 4g **Method:** J AOAC 2015 V98-6 (mod)[þ] **Units** mg/se **Batch:** 2501772 **Analyze:** 3/11/25 5:18:00 PM

| Analyte | Result | Limits | Units | LOQ | Notes |
|---|---|---|---|---|---|
| CBC per 4g | 0.218 | | mg/4g | 0.126 | |
| CBC-A per 4g | < LOQ | | mg/4g | 0.126 | |
| CBC-Total per 4g | < LOQ | | mg/4g | 0.236 | |
| CBD per 4g | 24.2 | | mg/4g | 0.126 | |
| CBD-A per 4g[⊥] | < LOQ | | mg/4g | 0.126 | |
| CBD-Total per 4g[⊥] | 24.2 | | mg/4g | 0.236 | |
| CBDV per 4g | 0.184 | | mg/4g | 0.126 | |
| CBDV-A per 4g | < LOQ | | mg/4g | 0.126 | |
| CBDV-Total per 4g | < LOQ | | mg/4g | 0.235 | |
| CBE per 4g | < LOQ | | mg/4g | 0.126 | |
| CBG per 4g | 0.700 | | mg/4g | 0.126 | |
| CBG-A per 4g | < LOQ | | mg/4g | 0.126 | |
| CBG-Total per 4g | 0.700 | | mg/4g | 0.235 | |
| CBL per 4g | < LOQ | | mg/4g | 0.126 | |
| CBL-A per 4g | < LOQ | | mg/4g | 0.126 | |
| CBL-Total per 4g | < LOQ | | mg/4g | 0.236 | |
| CBN per 4g | < LOQ | | mg/4g | 0.126 | |
| CBT per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ10-THC-9R per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ10-THC-9S per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ10-THC-Total per 4g | < LOQ | | mg/4g | 0.252 | |
| Δ8-THC per 4g[⊥] | < LOQ | | mg/4g | 0.126 | |
| Δ8-THCV per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ9-THC per 4g[⊥] | < LOQ | | mg/4g | 0.126 | |
| Δ9-THC-Total per 4g | < LOQ | | mg/4g | 0.236 | |
| Δ9-THCP per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ9-THCV per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ9-THCV-A per 4g | < LOQ | | mg/4g | 0.126 | |
| Δ9-THCV-Total per 4g | < LOQ | | mg/4g | 0.236 | |
| exo-THC per 4g | < LOQ | | mg/4g | 0.126 | |

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## Potency per 4g

**Method:** J AOAC 2015 V98-6 (mod)ᵇ **Units** mg/se **Batch:** 2501772 **Analyze:** 3/11/25 5:18:00 PM

| Analyte | Result | Limits | Units | LOQ | Notes |
|---|---|---|---|---|---|
| THC-A per 4g⊥ | < LOQ | | mg/4g | 0.126 | |
| Total Cannabinoids per 4g | 25.3 | | mg/4g | | |

## Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Aerobic Plate Count | < LOQ | | cfu/g | 10 | 2501710 | 03/13/25 | AOAC 990.12 (Petrifilm) | | |
| E.coli | < LOQ | | cfu/g | 10 | 2501708 | 03/13/25 | AOAC 991.14 (Petrifilm) | | |
| Total Coliforms | < LOQ | | cfu/g | 10 | 2501708 | 03/13/25 | AOAC 991.14 (Petrifilm) | | |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2501709 | 03/14/25 | AOAC 2014.05 (RAPID) | | |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2501709 | 03/14/25 | AOAC 2014.05 (RAPID) | | |

## Solvents

**Method:** Residual Solvents by HS-GC-MSᵇ **Units** µg/g **Batch** 2501840 **Analyze** 03/14/25 11:00 AM

| 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 **Units** mg/kg **Batch** 2501809 **Analyze** 03/13/25 02:35 PM

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

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**Purchase Order:**
**Received:** 03/10/25 11:28

## Metals

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic⊥ | < LOQ | 0.200 | mg/kg | 0.0157 | 2501777 | 03/12/25 | AOAC 2013.06 (mod.)Þ | pass | |
| Cadmium⊥ | < LOQ | 0.200 | mg/kg | 0.0157 | 2501777 | 03/12/25 | AOAC 2013.06 (mod.)Þ | pass | |
| Lead⊥ | < LOQ | 0.500 | mg/kg | 0.0157 | 2501777 | 03/12/25 | AOAC 2013.06 (mod.)Þ | pass | |
| Mercury⊥ | < LOQ | 0.100 | mg/kg | 0.00787 | 2501777 | 03/12/25 | AOAC 2013.06 (mod.)Þ | pass | |

## Mycotoxins

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Aflatoxin B1⊥ | < LOQ | | µg/kg | 5.00 | 2501746 | 03/11/25 | Mycotoxins by AOAC 2007.01 | | |
| Aflatoxin B2⊥ | < LOQ | | µg/kg | 5.00 | 2501746 | 03/11/25 | Mycotoxins by AOAC 2007.01 | | |
| Aflatoxin G1⊥ | < LOQ | | µg/kg | 5.00 | 2501746 | 03/11/25 | Mycotoxins by AOAC 2007.01 | | |
| Aflatoxin G2⊥ | < LOQ | | µg/kg | 5.00 | 2501746 | 03/11/25 | Mycotoxins by AOAC 2007.01 | | |
| Ochratoxin A | < LOQ | 20.0 | µg/kg | 5.00 | 2501746 | 03/11/25 | Mycotoxins by AOAC 2007.01Þ | pass | |
| Total Aflatoxins | < LOQ | 20.0 | µg/kg | 20.0 | | 03/17/25 | Mycotoxins by AOAC 2007.01Þ | pass | |

## Nutrition

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed | Method | Status | Notes |
|---|---|---|---|---|---|---|---|---|---|
| Moisture (Loss on Drying) | 20.1 | | g/100g | 0.10 | 2501837 | 03/11/25 | AOAC 925.10 (mod.) | | |
| Water Activity | 0.681 | | Aw | 0.030 | 2501812 | 03/13/25 | AOAC 978.18 | | |

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| **ORELAP#:** | OR100028 |
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| **Received:** | 03/10/25 11:28 |

***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.

Þ = ISO/IEC 17025:2017 accredited method.
⊥ = TNI accredited analyte.

***Units of Measure***

cfu/g = Colony forming units per gram
g = Gram
g/100g = Grams per 100 Grams
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
mg/kg = Milligram per kilogram = parts per million (ppm)
mg/4g = Milligram per 4g
% = Percentage of sample
Aw = Water Activity
% wt = µg/g divided by 10,000

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## Residue List

**Method** AOAC 2007.01 **Units** mg/kg **Analyzed** 3/13/25

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|---|---|---|---|---|---|---|---|
| 2,4-D | 0.10 | 2,4-DB | 0.10 | 2,4-DP | 0.10 | 2,4,5-T | 0.10 |
| 2,4,5-TP | 0.10 | Abamectin (Avermectin) | 0.10 | Acephate | 0.20 | Acequinocyl | 0.10 |
| Acetamiprid | 0.10 | Acetochlor | 0.20 | Acibenzolar-s-methyl | 0.10 | Acifluorfen | 0.10 |
| Acrinathrin | 0.10 | Afidopyropen | 0.10 | Alachlor | 0.20 | Aldicarb | 0.10 |
| Aldicarb-sulfone | 0.10 | Aldicarb-sulfoxide | 0.10 | Aldrin | 0.10 | Ametoctradin | 0.10 |
| Ametryn | 0.10 | Aminocyclopyrachlor | 0.10 | Anilazine | 0.30 | Aspon | 0.10 |
| Asulam | 0.10 | Atrazine | 0.10 | Atrazine-desethyl | 0.10 | Azadirachtin | 0.10 |
| Azinphos-ethyl | 0.10 | Azinphos-methyl | 0.10 | Azoxystrobin | 0.10 | Benalaxyl | 0.10 |
| Bendiocarb | 0.10 | Benfluralin | 0.10 | Benoxacor | 0.10 | Bensulide | 0.10 |
| Bentazone | 0.10 | Benzovindiflupyr | 0.10 | BHC (α, β, γ, δ isomers) | 0.10 | Bifenazate | 0.10 |
| Bifenox | 0.10 | Bifenthrin | 0.10 | Binapacryl | 0.40 | Bioresmethrin | 0.10 |
| Bitertanol | 0.20 | Boscalid | 0.10 | Broflanilide | 0.10 | Bromacil | 0.20 |
| Bromophos-ethyl | 0.20 | Bromophos-methyl | 0.10 | Bromopropylate | 0.10 | Bromoxynil | 0.10 |
| Bromuconazole | 0.10 | Bupirimate | 0.10 | Buprofezin | 0.10 | Butachlor | 0.10 |
| Butoxycarboxim | 0.10 | Butralin | 0.20 | Butylate | 0.10 | Cadusafos | 0.10 |
| Captafol | 1.00 | Captan | 0.20 | Carbaryl | 0.10 | Carbendazim | 0.10 |
| Carbofuran | 0.10 | Carbofuran-3-hydroxy | 0.10 | Carbophenothion | 0.10 | Carbophenothion-methyl | 0.10 |
| Carboxin | 0.10 | Carfentrazone-ethyl | 0.10 | Chlorantraniliprole | 0.10 | Chlordane | 0.10 |
| Chlordimeform | 0.10 | Chlorfenapyr | 0.20 | Chlorfenson | 0.10 | Chlorfenvinphos | 0.10 |
| Chlorimuron-ethyl | 0.10 | Chlornitrofen | 0.20 | Chlorobenzilate | 0.10 | Chloroneb | 0.10 |
| Chlorothalonil | 0.40 | Chlorpropham (CIPC) | 0.10 | Chlorpyrifos-ethyl | 0.10 | Chlorpyrifos-methyl | 0.10 |
| Chlorsulfuron | 0.10 | Chlorthal-dimethyl (Dacthal, D | 0.10 | Chlorthion | 0.20 | Chlorthiophos | 0.10 |
| Cinerin I | 0.10 | Clethodim | 0.10 | Clethodim-sulfone | 0.10 | Clethodim-sulfoxide | 0.10 |
| Clofentezine | 0.10 | Clomazone | 0.10 | Clopyralid | 0.10 | Clothianidin | 0.10 |
| Coumaphos | 0.10 | Crotoxyphos | 0.10 | Cyanazine | 0.10 | Cyanofenphos | 0.10 |
| Cyanophos | 0.40 | Cyantraniliprole | 0.10 | Cyazofamid | 0.10 | Cycloate | 0.10 |
| Cycloxydim | 0.10 | Cyflufenamid | 0.10 | Cyflumetofen | 0.10 | Cyfluthrin (incl. Beta-Cyfluthrin | 0.20 |
| Cyhalothrin, lambda | 0.10 | Cymoxanil | 0.10 | Cypermethrin and isomers (su | 0.10 | Cyprodinil | 0.10 |
| Cyromazine | 0.10 | DDD-o,p' | 0.10 | DDD-p,p' | 0.10 | DDE-o,p' | 0.10 |
| DDE-p,p' | 0.10 | DDT-o,p' | 0.10 | DDT-p,p' | 0.10 | DEF (Tribufos) | 0.10 |
| Deltamethrin | 0.10 | Demeton | 0.20 | Demeton-s-methyl | 0.20 | Demeton-s-methyl sulfone | 0.20 |
| Desmedipham | 0.10 | Diallate | 0.10 | Diazinon | 0.10 | Diazoxon (Diazinon OA) | 0.10 |
| Dicamba | 0.10 | Dichlobenil | 0.10 | Dichlofenthion | 0.10 | Dichlofluanid | 0.10 |
| Dichlorbenzamide | 0.10 | Dichlorvos | 0.10 | Diclobutrazol | 0.10 | Diclofop | 0.10 |

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## Residue List

**Method** AOAC 2007.01 **Units** mg/kg **Analyzed** 3/13/25

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|---|---|---|---|---|---|---|---|
| Diclofop-methyl | 0.10 | Dicloran | 0.40 | Dicofol o,p | 0.20 | Dicofol-p,p | 0.20 |
| Dicrotophos | 0.10 | Dieldrin | 0.10 | Diethofencarb | 0.10 | Diethyltoluamide (DEET) | 0.10 |
| Difenoconazole | 0.10 | Diflubenzuron | 0.10 | Diflufenzopyr | 0.10 | Dimethenamid | 0.10 |
| Dimethoate | 0.10 | Dimethomorph | 0.10 | Diniconazole | 0.10 | Dinocap | 0.10 |
| Dinoseb | 0.10 | Dinotefuran | 0.10 | Dioxathion | 0.10 | Diphenamid | 0.10 |
| Diphenylamine | 0.10 | Disulfoton | 0.20 | Disulfoton-sulfone | 0.10 | Disulfoton-sulfoxide | 0.10 |
| Dithianon | 0.10 | Dithiopyr | 0.10 | Diuron | 0.10 | Diuron metabolite (DCPMU) | 0.10 |
| DNOC (Dinitrocresol) | 0.10 | Edifenphos | 0.10 | Endosulfan I (alpha) | 0.20 | Endosulfan II (beta) | 0.20 |
| Endosulfan sulfate | 0.10 | Endrin | 0.20 | Endrin Aldehyde | 0.20 | EPN | 0.10 |
| EPTC | 0.10 | Esfenvalerate | 0.20 | Etaconazole | 0.10 | Ethaboxam | 0.10 |
| Ethalfluralin | 0.10 | Ethiofencarb | 0.10 | Ethion | 0.10 | Ethirimol | 0.10 |
| Ethofumesate | 0.10 | Ethoprophos | 0.10 | Ethoxyquin | 0.20 | Etofenprox | 0.10 |
| Etoxazole | 0.10 | Etridiazole | 0.10 | Etrimfos | 0.10 | Famoxadone | 0.20 |
| Famphur | 0.10 | Fenamidone | 0.10 | Fenamiphos | 0.10 | Fenamiphos-sulfone | 0.10 |
| Fenamiphos-sulfoxide | 0.10 | Fenarimol | 0.10 | Fenazaquin | 0.10 | Fenbuconazole | 0.10 |
| Fenbutatin oxide | 0.10 | Fenchlorphos | 0.10 | Fenchlorphos-oxon | 0.10 | Fenhexamid | 0.10 |
| Fenitrothion | 0.10 | Fenobucarb | 0.10 | Fenoxaprop-p-ethyl | 0.10 | Fenoxycarb | 0.10 |
| Fenpropathrin | 0.10 | Fenpyroximate | 0.10 | Fenson | 0.20 | Fensulfothion | 0.10 |
| Fenthion | 0.10 | Fenuron | 0.10 | Fipronil | 0.10 | Flonicamid | 0.10 |
| Fluazifop | 0.10 | Fluazinam | 0.10 | Fluchloralin | 0.10 | Flucythrinate | 0.30 |
| Fludioxonil | 0.10 | Flufenacet | 0.10 | Flumetsulam | 0.10 | Flumioxazin | 0.10 |
| Fluometuron | 0.10 | Fluopicolide | 0.10 | Fluopyram | 0.10 | Fluoxastrobin | 0.10 |
| Fluprimidol | 0.10 | Flupyradifurone | 0.10 | Fluridone | 0.10 | Fluroxypyr | 0.10 |
| Flusilazole | 0.10 | Fluthiacet-methyl | 0.10 | Flutianil | 0.10 | Flutolanil | 0.10 |
| Flutriafol | 0.10 | Fluxapyroxad | 0.10 | Folpet | 0.10 | Fomesafen | 0.10 |
| Fonofos | 0.10 | Foramsulfuron | 0.10 | Forchlorfenuron | 0.10 | Formetanate | 0.10 |
| Furathiocarb | 0.10 | Halosulfuron-methyl | 0.10 | Haloxyfop | 0.10 | Heptachlor | 0.10 |
| Heptachlor epoxide | 0.10 | Hexachlorobenzene | 0.10 | Hexaconazole | 0.10 | Hexazinone | 0.10 |
| Hexythiazox | 0.10 | Hydroprene | 0.10 | Imazalil | 0.10 | Imazamox | 0.10 |
| Imazapic | 0.10 | Imazapyr | 0.10 | Imazaquin | 0.10 | Imazethapyr | 0.10 |
| Imidacloprid | 0.10 | Indaziflam | 0.10 | Indoxacarb | 0.10 | Iprobenfos | 0.10 |
| Iprodione | 0.10 | Isazophos | 0.10 | Isobenzan | 0.10 | Isocarbophos | 0.10 |
| Isodrin | 0.10 | Isofenphos | 0.10 | Isofenphos-methyl | 0.10 | Isofenphos-oxon | 0.10 |
| Isofetamid | 0.10 | Isoprocarb | 0.10 | Isopropalin | 0.10 | Isoprothiolane | 0.10 |

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## Residue List

**Method** AOAC 2007.01 **Units** mg/kg **Analyzed** 3/13/25

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|---|---|---|---|---|---|---|---|
| Isoproturon | 0.10 | Isoxaben | 0.10 | Isoxaflutole | 0.10 | Jasmolin I | 0.10 |
| Kresoxim-methyl | 0.10 | Lactofen | 0.20 | Lenacil | 0.10 | Linuron | 0.10 |
| Malaoxon | 0.10 | Malathion | 0.10 | Mandestrobin | 0.10 | Mandipropamid | 0.10 |
| MCPA | 0.10 | MCPB | 0.10 | MCPP (Mecoprop) | 0.10 | MCPP-P | 0.10 |
| Mecarbam | 0.10 | Mefentrifluconazole | 0.10 | Mepanipyrim | 0.10 | Mesosulfuron-methyl | 0.10 |
| Mesotrione | 0.10 | Metalaxyl | 0.10 | Metaldehyde | 0.10 | Metconazole | 0.10 |
| Methacrifos | 0.10 | Methamidophos | 0.10 | Methidathion | 0.10 | Methiocarb | 0.10 |
| Methiocarb-sulfone | 0.10 | Methiocarb-sulfoxide | 0.10 | Methiozolin | 0.10 | Methomyl | 0.10 |
| Methoxychlor | 0.10 | Methoxyfenozide | 0.10 | Metobromuron | 0.10 | Metolacarb | 0.10 |
| Metolachlor | 0.10 | Metrafenone | 0.10 | Metribuzin | 0.10 | Metsulfuron-methyl | 0.10 |
| Mevinphos | 0.10 | Mexacarbate | 0.10 | MGK-264 | 0.10 | Mirex | 0.10 |
| Molinate | 0.10 | Monocrotophos | 0.10 | Monolinuron | 0.10 | Myclobutanil | 0.10 |
| Naled | 0.10 | Napropamide | 0.10 | Neburon | 0.10 | Nicosulfuron | 0.10 |
| Nitrapyrin | 0.10 | Nitrofen | 0.20 | Norflurazon | 0.10 | Novaluron | 0.10 |
| Nuarimol | 0.20 | O-Phenylphenol | 0.50 | Omethoate | 0.10 | Oryzalin | 0.10 |
| Oxadiazon | 0.10 | Oxadixyl | 0.10 | Oxamyl | 0.10 | Oxamyl-oxime | 0.10 |
| Oxathiapiprolin | 0.10 | Oxychlordane | 0.10 | Oxydemeton-methyl | 0.10 | Oxyfluorfen | 0.10 |
| Oxythioquinox | 0.20 | Paclobutrazole | 0.10 | Paraoxon-ethyl | 0.10 | Paraoxon-methyl | 0.10 |
| Parathion-ethyl | 0.10 | Parathion-methyl | 0.30 | Penconazole | 0.10 | Pendimethalin | 0.10 |
| Penflufen | 0.10 | Pentachloroaniline | 0.10 | Pentachloroanisole | 0.10 | Pentachlorobenzene | 0.10 |
| Pentachlorophenol | 0.10 | Pentachlorothioanisole | 0.30 | Penthiopyrad | 0.10 | Permethrin | 0.10 |
| Perthane | 0.10 | Phenmedipham | 0.10 | Phenothrin | 0.10 | Phenthoate | 0.10 |
| Phorate | 0.10 | Phorate OA | 0.10 | Phorate-sulfone | 0.10 | Phorate-sulfoxide | 0.10 |
| Phosalone | 0.10 | Phosmet | 0.10 | Phosmet oxon | 0.10 | Phosphamidon | 0.10 |
| Phoxim | 0.10 | Picloram | 0.10 | Pinoxaden | 0.10 | Piperonyl butoxide | 0.10 |
| Pirimicarb | 0.10 | Pirimiphos-ethyl | 0.10 | Pirimiphos-methyl | 0.10 | Prallethrin | 0.10 |
| Primisulfuron-methyl | 0.10 | Prochloraz | 0.10 | Procymidone | 0.10 | Prodiamine | 0.10 |
| Profenofos | 0.10 | Profluralin | 0.10 | Promecarb | 0.10 | Prometon | 0.10 |
| Prometryn | 0.10 | Pronamide (Propyzamid) | 0.10 | Propachlor | 0.10 | Propamocarb | 0.10 |
| Propanil | 0.10 | Propargite | 0.10 | Propazine | 0.10 | Propetamphos | 0.10 |
| Propham | 0.10 | Propiconazole | 0.10 | Propoxur | 0.10 | Propoxycarbazone sodium | 0.10 |
| Prosulfuron | 0.10 | Prothioconazole | 0.10 | Prothiofos | 0.10 | Pydiflumetofen | 0.10 |
| Pymetrozine | 0.10 | Pyraclostrobin | 0.10 | Pyraflufen-ethyl | 0.10 | Pyrazophos | 0.10 |
| Pyrethrins (total) | 0.10 | Pyridaben | 0.10 | Pyridate | 0.10 | Pyrifluquinazon | 0.10 |

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**Report Number:** 25-002437/D001.R000
**Report Date:** 03/17/2025
**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 03/10/25 11:28

## Residue List

**Method** AOAC 2007.01 **Units** mg/kg **Analyzed** 3/13/25

| Parameter | LOQ | Parameter | LOQ | Parameter | LOQ | Parameter | LOQ |
|---|---|---|---|---|---|---|---|
| Pyrimethanil | 0.10 | Pyriproxyfen | 0.10 | Pyroxasulfone | 0.10 | Pyroxsulam | 0.10 |
| Quinalphos | 0.10 | Quinclorac | 0.10 | Quinoxyfen | 0.10 | Quintozene (PCNB) | 0.10 |
| Quizalofop | 0.10 | Resmethrin | 0.10 | Rimsulfuron | 0.10 | Rotenone | 0.10 |
| S-421 | 0.10 | Saflufenacil | 0.10 | Sebuthylazine | 0.10 | Sedaxane | 0.10 |
| Sethoxydim | 0.10 | Siduron | 0.10 | Simazine | 0.10 | Simetryn | 0.10 |
| Spinetoram | 0.10 | Spinosad | 0.10 | Spirodiclofen | 0.10 | Spiromesifen | 0.10 |
| Spirotetramat | 0.10 | Spirotetramat enol | 0.10 | Spiroxamine | 0.10 | Sulfallate | 0.10 |
| Sulfentrazone | 0.30 | Sulfometuron-methyl | 0.10 | Sulfosulfuron | 0.10 | Sulfotep | 0.10 |
| Sulfoxaflor | 0.10 | Sulprofos | 0.10 | Tau-fluvalinate | 0.10 | Tebuconazole | 0.10 |
| Tebufenozide | 0.10 | Tebuthiuron | 0.10 | Tecnazene | 0.10 | Tefluthrin | 0.10 |
| Tembotrione | 0.10 | Terbacil | 0.40 | Terbufos | 0.10 | Terbufos-sulfone | 0.10 |
| Terbufos-sulfoxide | 0.10 | Terbuthylazine | 0.10 | Terbutryn | 0.10 | Tetrachlorvinphos | 0.10 |
| Tetraconazole | 0.10 | Tetradifon | 0.10 | Tetramethrin | 0.10 | Tetrasul | 0.10 |
| Thiabendazol 5 hydroxy | 0.10 | Thiabendazole | 0.10 | Thiacloprid | 0.10 | Thiamethoxam | 0.10 |
| Thifensulfuron-methyl | 0.10 | Thiobencarb | 0.10 | Thiodicarb | 0.10 | Thiometon | 0.20 |
| Thionazin | 0.10 | Thiophanate-methyl | 0.10 | Tolclofos-methyl | 0.10 | Tolfenpyrad | 0.10 |
| Tolylfluanid | 0.10 | Topramezone | 0.10 | Tralkoxydim | 0.10 | Triadimefon | 0.10 |
| Triadimenol | 0.10 | Triallate | 0.10 | Triasulfuron | 0.10 | Triazophos | 0.10 |
| Tribenuron-methyl | 0.10 | Trichlorfon (Metrifonate) | 0.10 | Triclopyr | 0.20 | Trifloxystrobin | 0.10 |
| Trifloxysulfuron | 0.10 | Triflumizole | 0.10 | Trifluralin | 0.10 | Triflusulfuron-methyl | 0.10 |
| Triforine | 0.10 | Trinexapac-ethyl | 0.10 | Triticonazole | 0.10 | Vinclozolin | 0.10 |
| Zoxamide | 0.10 | | | | | | |

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**Received:** 03/10/25 11:28

Columbia LABORATORIES
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# Hemp & Cannabis Chain of Custody

Northwest-Natural-Goods-1741357719

Company Details
Company: Northwest Natural Goods
[redacted]

Billing Information
Billing Email: [redacted]

Project Details
Turnaround Time: 5 Business Days | Req. For Micro Testing | Standard
Relinquishment | Sampling, Courier & Shipping Options: Pick-Up Courier Service
Project Name / ID: HEMP - LM0101
Pick-Up Details
[redacted]

Receipt Information
Evidence of Cooling?: No
Sample Condition: Satisfactory
Prelog Storage: Canna Shelves

| # | Sample Name | Material | Amount Provided | Reporting Unit | Serving Size | Additional Test Requests and Sample Comments | Testing: P2320 - Multi-Residue Pesticide Pro le (Cannabis) | H0042S - A atoxins+Ochratoxin | CLCC | M1010 - Micro Pro le D | H0008 - Residual Solvents (Cannabis - Oregon) | H0010 - Potency Cannabis (Basic+Expanded) | H0013 - Cannabis Heavy Metals Pro le CR | N3600 - Water Activity & Moisture (as Loss on Drying) | Food |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HEMP - LM0101 | Cannabinoid Edible | 20 each | mg/g & mg/serving | 4 g | PICKUP FOR MONDAY | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Relinquished By | Date | Time | | Received By | Date | Time | Received Temp., °C | IR Therm. CL# |
|---|---|---|---|---|---|---|---|---|
| Kristen Johnson | 03/07/2025 | 06:28 | Temp., °C | BCR | 03/10/2025 | 10:23 | NA | NA |
| BCR | 03/10/2025 | 11:14 | 17.5 | dst | 03/10/2025 | 11:28 | 17.5 | Other |

*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*

*P: (503) 254-1794*
*info@columbialaboratories.com*

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**ORELAP#:** OR100028
**Purchase Order:**
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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

## Laboratory Quality Control Results

JAOAC2015 V986 — Batch ID: 2501772

Laboratory Control Sample

| Analyte | LCS | Result | Spike | Units | % Rec | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|
| CBDVA | 2 | 0.0337 | 0.0325 | % | 104 | 80.0 - 120 | Acceptable | |
| CBDV | 2 | 0.0361 | 0.0352 | % | 103 | 80.0 - 120 | Acceptable | |
| CBE | 2 | 0.0370 | 0.0360 | % | 103 | 80.0 - 120 | Acceptable | |
| CBDA | 1 | 0.0353 | 0.0344 | % | 102 | 90.0 - 110 | Acceptable | |
| CBGA | 1 | 0.0348 | 0.0340 | % | 102 | 80.0 - 120 | Acceptable | |
| CBG | 1 | 0.0340 | 0.0334 | % | 102 | 80.0 - 120 | Acceptable | |
| CBD | 1 | 0.0322 | 0.0318 | % | 101 | 90.0 - 110 | Acceptable | |
| THCV | 2 | 0.0363 | 0.0352 | % | 103 | 80.0 - 120 | Acceptable | |
| d8THCV | 2 | 0.0365 | 0.0365 | % | 100 | 80.0 - 120 | Acceptable | |
| THCVA | 2 | 0.0326 | 0.0315 | % | 103 | 80.0 - 120 | Acceptable | |
| CBN | 1 | 0.0333 | 0.0330 | % | 101 | 80.0 - 120 | Acceptable | |
| exo-THC | 2 | 0.0334 | 0.0332 | % | 101 | 80.0 - 120 | Acceptable | |
| d9THC | 1 | 0.0338 | 0.0345 | % | 98.2 | 90.0 - 110 | Acceptable | |
| d8THC | 1 | 0.0330 | 0.0327 | % | 101 | 90.0 - 110 | Acceptable | |
| 9S-d10THC | 1 | 0.0346 | 0.0352 | % | 98.2 | 80.0 - 120 | Acceptable | |
| CBL | 2 | 0.0333 | 0.0344 | % | 96.8 | 80.0 - 120 | Acceptable | |
| 9R-d10THC | 1 | 0.0341 | 0.0350 | % | 97.6 | 80.0 - 120 | Acceptable | |
| CBC | 2 | 0.0340 | 0.0346 | % | 98.2 | 80.0 - 120 | Acceptable | |
| THCA | 1 | 0.0387 | 0.0369 | % | 105 | 90.0 - 110 | Acceptable | |
| CBCA | 2 | 0.0348 | 0.0339 | % | 102 | 80.0 - 120 | Acceptable | |
| CBLA | 2 | 0.0323 | 0.0327 | % | 98.7 | 80.0 - 120 | Acceptable | |
| d9THCP | 2 | 0.0321 | 0.0335 | % | 95.8 | 80.0 - 120 | Acceptable | |
| CBT | 2 | 0.0317 | 0.0343 | % | 92.5 | 80.0 - 120 | Acceptable | |

Method Blank

| Analyte | Result | LOQ | Units | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|
| CBDVA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBDV | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBE | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBDA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBGA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBG | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBD | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| THCV | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| d8THCV | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| THCVA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBN | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| exo-THC | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| d9THC | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| d8THC | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| 9S-d10THC | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBL | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| 9R-d10THC | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBC | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| THCA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBCA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBLA | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| d9THCP | <LOQ | 0.00330 | % | < 0.00330 | Acceptable | |
| CBT | <LOQ | 0.00330 | % | < 0.00330 | 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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**Purchase Order:**
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Revision: 4 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

## Laboratory Quality Control Results

JAOAC2015 V98 — Batch ID: 2501772
Sample Duplicate — Sample ID: 25-002260000101

| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
|---|---|---|---|---|---|---|---|---|
| CBDVA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBE | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBDA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBG | 0.531 | 0.532 | 0.00323 | % | 0.208 | < 20 | Acceptable | |
| CBD | 0.0156 | 0.0163 | 0.00323 | % | 4.28 | < 20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBN | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| d9THC | 0.251 | 0.253 | 0.00323 | % | 0.917 | < 20 | Acceptable | |
| d8THC | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| 9S-d10THC | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| 9R-d10THC | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBC | 0.00470 | 0.00475 | 0.00323 | % | 1.03 | < 20 | Acceptable | |
| THCA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBCA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBLA | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| d9THCP | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | Acceptable | |
| CBT | <LOQ | <LOQ | 0.00323 | % | NA | < 20 | 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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**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 03/10/25 11:28

Revision: 2 Document ID: 7087
Legacy ID: CFL-E33Effective:

## Laboratory Quality Control Results

**Residual Solvents** **Batch ID:** 2501840

| Method Blank | | | | | Laboratory Control Sample | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Analyte** | **Result** | | **LOQ** | **Notes** | **Result** | **Spike** | **Units** | **% Rec** | **Limits** | | | **Notes** |
| Propane | ND | < | 200 | | 555 | 585 | µg/g | 94.9 | 60 | - | 120 | |
| Isobutane | ND | < | 200 | | 719 | 770 | µg/g | 93.4 | 60 | - | 120 | |
| Butane | ND | < | 200 | | 717 | 769 | µg/g | 93.2 | 60 | - | 120 | |
| 2,2-Dimethylpropane | ND | < | 200 | | 824 | 956 | µg/g | 86.2 | 60 | - | 120 | |
| Methanol | ND | < | 200 | | 1700 | 1650 | µg/g | 103.0 | 60 | - | 120 | |
| Ethylene Oxide | ND | < | 30 | | 54.7 | 57.7 | µg/g | 94.8 | 60 | - | 120 | |
| 2-Methylbutane | ND | < | 200 | | 1680 | 1620 | µg/g | 103.7 | 60 | - | 120 | |
| Pentane | ND | < | 200 | | 1680 | 1620 | µg/g | 103.7 | 60 | - | 120 | |
| Ethanol | ND | < | 200 | | 1740 | 1680 | µg/g | 103.6 | 70 | - | 130 | |
| Ethyl Ether | ND | < | 200 | | 1660 | 1640 | µg/g | 101.2 | 60 | - | 120 | |
| 2,2-Dimethylbutane | ND | < | 30 | | 190 | 182 | µg/g | 104.4 | 60 | - | 120 | |
| Acetone | ND | < | 200 | | 1680 | 1640 | µg/g | 102.4 | 60 | - | 120 | |
| 2-Propanol | ND | < | 200 | | 1710 | 1630 | µg/g | 104.9 | 60 | - | 120 | |
| Ethyl Formate | ND | < | 500 | | 1290 | 1610 | µg/g | 80.1 | 70 | - | 130 | |
| Acetonitrile | ND | < | 100 | | 513 | 513 | µg/g | 100.0 | 60 | - | 120 | |
| Methyl Acetate | ND | < | 500 | | 1740 | 1610 | µg/g | 108.1 | 70 | - | 130 | |
| 2,3-Dimethylbutane | ND | < | 30 | | 191 | 184 | µg/g | 103.8 | 60 | - | 120 | |
| Dichloromethane | ND | < | 60 | | 588 | 589 | µg/g | 99.8 | 60 | - | 120 | |
| 2-Methylpentane | ND | < | 30 | | 191 | 185 | µg/g | 103.2 | 60 | - | 120 | |
| MTBE | ND | < | 500 | | 1680 | 1610 | µg/g | 104.3 | 70 | - | 130 | |
| 3-Methylpentane | ND | < | 30 | | 184 | 177 | µg/g | 104.0 | 60 | - | 120 | |
| Hexane | ND | < | 30 | | 176 | 174 | µg/g | 101.1 | 60 | - | 120 | |
| 1-Propanol | ND | < | 500 | | 1720 | 1600 | µg/g | 107.5 | 70 | - | 130 | |
| Methylethylketone | ND | < | 500 | | 1710 | 1610 | µg/g | 106.2 | 70 | - | 130 | |
| Ethyl acetate | ND | < | 200 | | 1670 | 1620 | µg/g | 103.1 | 60 | - | 120 | |
| 2-Butanol | ND | < | 200 | | 1680 | 1640 | µg/g | 102.4 | 60 | - | 120 | |
| Tetrahydrofuran | ND | < | 100 | | 525 | 511 | µg/g | 102.7 | 60 | - | 120 | |
| Cyclohexane | ND | < | 200 | | 1590 | 1610 | µg/g | 98.8 | 60 | - | 120 | |
| 2-methyl-1-propanol | ND | < | 500 | | 1700 | 1610 | µg/g | 105.6 | 70 | - | 130 | |
| Benzene | ND | < | 1 | | 5.35 | 5.56 | µg/g | 96.2 | 60 | - | 120 | |
| Isopropyl Acetate | ND | < | 200 | | 1650 | 1620 | µg/g | 101.9 | 60 | - | 120 | |
| Heptane | ND | < | 200 | | 1550 | 1610 | µg/g | 96.3 | 60 | - | 120 | |
| 1-Butanol | ND | < | 500 | | 1640 | 1610 | µg/g | 101.9 | 70 | - | 130 | |
| Propyl Acetate | ND | < | 500 | | 1720 | 1620 | µg/g | 106.2 | 70 | - | 130 | |
| 1,4-Dioxane | ND | < | 100 | | 441 | 487 | µg/g | 90.6 | 60 | - | 120 | |
| 2-Ethoxyethanol | ND | < | 30 | | 188 | 180 | µg/g | 104.4 | 60 | - | 120 | |
| Methylisobutylketone | ND | < | 500 | | 1600 | 1620 | µg/g | 98.8 | 70 | - | 130 | |
| 3-Methyl-1-butanol | ND | < | 500 | | 1550 | 1600 | µg/g | 96.9 | 70 | - | 130 | |
| Ethylene Glycol | ND | < | 200 | | 441 | 530 | µg/g | 83.2 | 60 | - | 120 | |
| Toluene | ND | < | 100 | | 464 | 497 | µg/g | 93.4 | 60 | - | 120 | |
| Isobutyl Acetate | ND | < | 500 | | 1630 | 1620 | µg/g | 100.6 | 70 | - | 130 | |
| 1-Pentanol | ND | < | 500 | | 1600 | 1600 | µg/g | 100.0 | 70 | - | 130 | |
| Butyl Acetate | ND | < | 500 | | 1620 | 1600 | µg/g | 101.3 | 70 | - | 130 | |
| Ethylbenzene | ND | < | 200 | | 1020 | 1060 | µg/g | 96.2 | 60 | - | 120 | |
| m,p-Xylene | ND | < | 200 | | 974 | 1040 | µg/g | 93.7 | 60 | - | 120 | |
| o-Xylene | ND | < | 200 | | 997 | 1090 | µg/g | 91.5 | 60 | - | 120 | |
| Cumene | ND | < | 30 | | 211 | 227 | µg/g | 93.0 | 60 | - | 120 | |
| Anisole | ND | < | 500 | | 1520 | 1610 | µg/g | 94.4 | 70 | - | 130 | |
| DMSO | ND | < | 500 | | 1430 | 1600 | µg/g | 89.4 | 70 | - | 130 | |
| 1,2-dimethoxyethane | ND | < | 50 | | 175 | 162 | µg/g | 108.0 | 70 | - | 130 | |
| Triethylamine | ND | < | 500 | | 1600 | 1600 | µg/g | 100.0 | 70 | - | 130 | |
| N,N-dimethylformamide | ND | < | 150 | | 477 | 487 | µg/g | 97.9 | 70 | - | 130 | |
| N,N-dimethylacetamide | ND | < | 150 | | 483 | 498 | µg/g | 97.0 | 70 | - | 130 | |
| Pyridine | ND | < | 50 | | 164 | 162 | µg/g | 101.2 | 70 | - | 130 | |
| Sulfolane | ND | < | 50 | | 136 | 173 | µg/g | 78.6 | 70 | - | 130 | |
| 1,2-Dichloroethane | ND | < | 1 | | 1.07 | 1 | µg/g | 107.0 | 70 | - | 130 | |
| Chloroform | ND | < | 1 | | 1.06 | 1 | µg/g | 106.0 | 70 | - | 130 | |
| Trichloroethylene | ND | < | 1 | | 0.962 | 1 | µg/g | 96.2 | 70 | - | 130 | |
| 1,1-Dichloroethane | ND | < | 1 | | 1.12 | 1 | µg/g | 112.0 | 70 | - | 130 | |

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**ORELAP#:** OR100028
**Purchase Order:**
**Received:** 03/10/25 11:28



**QC - Sample Duplicate** **Sample ID: 25-002420-0001**

| 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 | |
| 1,2-Dichloroethane | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |
| Chloroform | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |
| Trichloroethylene | ND | ND | 1 | µg/g | 0.0 | < 20 | Acceptable | |
| 1,1-Dichloroethane | ND | ND | 1 | 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

Columbia LABORATORIES
A Tentamus Company

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

| | |
|---|---|
| **Report Number:** | 25-002437/D001.R000 |
| **Report Date:** | 03/17/2025 |
| **ORELAP#:** | OR100028 |
| **Purchase Order:** | |
| **Received:** | 03/10/25 11:28 |

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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 | Quantitaion 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. |