



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



Report Number: 24-000301/D003.R000
Report Date: 01/19/2024
ORELAP#: OR100028
Purchase Order:
Received: 01/09/24 10:59

Customer: NW Natural Goods
Product identity: HEMP - EB 0105
Client/Metric ID: .
Laboratory ID: 24-000301-0001

Summary

Potency:

| Analyte per 4g | Result | Limits | Units | Status | |
|----------------|--------|--------|-------|--------|---------------------------------------|
| CBC per 4g | 0.194 | | mg/4g | | CBD-Total per Serving Size 22.7 mg/4g |
| CBD per 4g | 22.7 | | mg/4g | | |
| CBG per 4g | 0.648 | | mg/4g | | THC-Total per Serving Size <LOQ |
| CBN per 4g | 4.40 | | mg/4g | | (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: HEMP - EB 0105

Client/Metric ID: .

Sample Date:

Laboratory ID: 24-000301-0001

Evidence of Cooling: No

Temp: 16.8

Relinquished by: ramos

Serving Size #1: 4 g

Sample Results

| Potency per 4g | | | | | |
|--------------------------------------------------------|--------|--------|-------|-------|-------|
| Method: J AOAC 2015 V98-6 (mod) ^b | | | | | |
| Units mg/se Batch: 2400293 Analyze: 1/11/24 8:33:00 AM | | | | | |
| Analyte | Result | Limits | Units | LOQ | Notes |
| CBC per 4g | 0.194 | | mg/4g | 0.127 | |
| CBC-A per 4g | < LOQ | | mg/4g | 0.127 | |
| CBC-Total per 4g | < LOQ | | mg/4g | 0.239 | |
| CBD per 4g | 22.7 | | mg/4g | 0.127 | |
| CBD-A per 4g | < LOQ | | mg/4g | 0.127 | |
| CBD-Total per 4g | 22.7 | | mg/4g | 0.239 | |
| CBDV per 4g | < LOQ | | mg/4g | 0.127 | |
| CBDV-A per 4g | < LOQ | | mg/4g | 0.127 | |
| CBDV-Total per 4g | < LOQ | | mg/4g | 0.238 | |
| CBE per 4g | < LOQ | | mg/4g | 0.127 | |
| CBG per 4g | 0.648 | | mg/4g | 0.127 | |
| CBG-A per 4g | < LOQ | | mg/4g | 0.127 | |
| CBG-Total per 4g | 0.648 | | mg/4g | 0.238 | |
| CBL per 4g | < LOQ | | mg/4g | 0.127 | |
| CBL-A per 4g | < LOQ | | mg/4g | 0.127 | |
| CBL-Total per 4g | < LOQ | | mg/4g | 0.239 | |
| CBN per 4g | 4.40 | | mg/4g | 0.127 | |
| CBT per 4g | < LOQ | | mg/4g | 0.127 | |
| Δ8-THCV per 4g | < LOQ | | mg/4g | 0.127 | |
| Δ10-THC-9R per 4g | < LOQ | | mg/4g | 0.127 | |
| Δ10-THC-9S per 4g | < LOQ | | mg/4g | 0.127 | |
| Δ10-THC-Total per 4g | < LOQ | | mg/4g | 0.254 | |
| Δ8-THC per 4g | < LOQ | | mg/4g | 0.127 | |
| Δ9-THC per 4g | < LOQ | | mg/4g | 0.127 | |
| delta-9-THCP per 4g | < LOQ | | mg/4g | 0.127 | |
| exo-THC per 4g | < LOQ | | mg/4g | 0.127 | |
| THC-A per 4g | < LOQ | | mg/4g | 0.127 | |
| THC-Total per 4g | < LOQ | | mg/4g | 0.239 | |
| THCV per 4g | < LOQ | | mg/4g | 0.127 | |
| THCV-A per 4g | < LOQ | | mg/4g | 0.127 | |
| THCV-Total per 4g | < LOQ | | mg/4g | 0.239 | |
| Total Cannabinoids per 4g | 27.9 | | mg/4g | | |



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Microbiology

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
|-------------------------|--------|--------|-------|-----|---------|-----------------------------------------------|--------|-------|
| E.coli | < LOQ | | cfu/g | 10 | 2400247 | 01/12/24 AOAC 991.14 (Petrifilm) ^P | | |
| Total Coliforms | < LOQ | | cfu/g | 10 | 2400247 | 01/12/24 AOAC 991.14 (Petrifilm) ^P | | |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2400248 | 01/13/24 AOAC 2014.05 (RAPID) ^P | | |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 2400248 | 01/13/24 AOAC 2014.05 (RAPID) ^P | | |

Solvents Method: Residual Solvents by GC/MS^P Units µg/g Batch 2400422 Analyze 01/19/24 01:50 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)^P Units mg/kg Batch 2400327 Analyze 01/16/24 11:31 AM

| 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 | 0.0179 | 2400340 | 01/12/24 AOAC 2013.06 (mod.) ^p | pass | |
| Cadmium* | < LOQ | 0.200 | mg/kg | 0.0179 | 2400340 | 01/12/24 AOAC 2013.06 (mod.) ^p | pass | |
| Lead* | < LOQ | 0.500 | mg/kg | 0.0179 | 2400340 | 01/12/24 AOAC 2013.06 (mod.) ^p | pass | |
| Mercury* | < LOQ | 0.100 | mg/kg | 0.00897 | 2400340 | 01/12/24 AOAC 2013.06 (mod.) ^p | pass | |

Nutrition

| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
|---------------------------|--------|--------|--------|-------|---------|------------------------------------------|--------|-------|
| Moisture (Loss on Drying) | 18.6 | | g/100g | 0.10 | 2400406 | 01/16/24 AOAC 925.10 (mod.) ^p | | |
| Water Activity | 0.678 | | Aw | 0.030 | 2400270 | 01/10/24 AOAC 978.18 ^p | | |



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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.

^p = ISO/IEC 17025:2017 accredited method.

[¥] = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

g/100g = Grams per 100 Grams

µg/g = Microgram per gram

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

Approved Signatory

Derrick Tanner
General Manager



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Cannabis Multi-Residue Profile, Limits of Quantitation

| Compound | LOQ (mg/kg) | Compound | LOQ (mg/kg) | Compound | LOQ (mg/kg) |
|-------------------------------|-------------|-------------------------|-------------|-----------------------------|-------------|
| Abamectin | 0.100 | Cethodim | 0.050 | Endrin | 0.100 |
| Acephate | 0.100 | Cethodim Sulfone | 0.050 | EPN | 0.050 |
| Acequinocyl | 0.100 | Cethodim Sulfoxide | 0.050 | EPIC | 0.100 |
| Acetamiprid | 0.020 | Cb fenfentzine | 0.020 | Esfenvalerate/ Fenvalerate | 0.200 |
| Acetochlor | 0.100 | Cb mazone | 0.020 | Etaconazole | 0.100 |
| Acrinathrin | 0.100 | Cb thianidin | 0.200 | Ethalfuralin | 0.100 |
| Alachlor | 0.100 | Cumaphos | 0.050 | Ethiofencarb | 0.050 |
| Aldicarb | 0.100 | Crtoxypfos | 0.020 | Ethion | 0.200 |
| Aldicarb sulfoxide | 0.100 | Cyarazine | 0.020 | Ethirimol | 0.100 |
| Aldoxycarb (Aldicarb-sulfone) | 0.100 | Cyartofenphos | 0.020 | Ethofumesate | 0.050 |
| Aldrin | 0.100 | Cyatraniiprole | 0.050 | Ethoprophos | 0.020 |
| Ametoctradin | 0.020 | Cyazflamid | 0.020 | Etofenprox | 0.020 |
| Ametryn | 0.500 | Cytoate | 0.100 | Etoxazole | 0.020 |
| Aspon | 0.100 | Cyfluthrin | 0.200 | Eridiazole | 0.100 |
| Asulam | 0.100 | Cyhalothrin, lambda | 0.200 | Erimfos | 0.020 |
| Atrazine | 0.100 | Cymoxanil | 0.050 | Famoxadone | 0.200 |
| Atrazine-desethyl | 0.100 | Cypermethrin | 0.200 | Famphur | 0.100 |
| Azinphos-ethyl | 0.020 | Cyprodinil | 0.100 | Fenamidone | 0.020 |
| Azinphos-methyl | 0.020 | Dadhal | 0.100 | Fenamiphos | 0.020 |
| Azoxystrobin | 0.020 | Damnozide | 0.100 | Fenamiphos sulfone | 0.020 |
| Beralaxyl | 0.020 | DCEMU | 0.050 | Fenamiphos sulfoxide | 0.020 |
| Berdicarb | 0.020 | DDD, op' | 0.100 | Fenazaquin | 0.100 |
| Berfluralin | 0.100 | DDD, p,p' | 0.100 | Fenbuconazole | 0.100 |
| Berxacor | 0.050 | DCE, o,p' | 0.100 | Fenchlorphos | 0.100 |
| Bersulide | 0.050 | DCE, p,p' | 0.100 | Fenchlorphos-oxon | 0.100 |
| BHC alpha isomer | 0.100 | DDT, o,p' | 0.100 | Fenhexamid | 0.100 |
| BHC beta isomer | 0.100 | DDT, p,p' | 0.100 | Fenitrothion | 0.100 |
| BHC delta isomer | 0.500 | DEF (Tribufos) | 0.100 | Fenobucarb | 0.050 |
| Bifenazate | 0.020 | Deltamethrin | 0.100 | Fenoxycarb | 0.020 |
| Bifenthrin | 0.020 | Desmedipham | 0.100 | Fenpropathrin | 0.050 |
| Boscalid | 0.020 | Diallate | 0.100 | Fenpyroximate | 0.020 |
| Bromophos-ethyl | 0.100 | Diazinon | 0.020 | Fenson | 0.100 |
| Bromophos-methyl | 0.200 | Diazoxon | 0.100 | Fensulfiothion | 0.020 |
| Bromopropylate | 0.100 | Dichlobenil | 0.100 | Fensulfiothion oxon | 0.020 |
| Bromuconazole | 0.100 | Dichlofluanid | 0.100 | Fensulfiothion sulfone | 0.100 |
| Bupirimate | 0.020 | Dichlorvos | 0.100 | Fensulfiothion-oxon-sulfone | 0.020 |
| Buprofezin | 0.050 | Diclobutrazol | 0.050 | Fenthion | 0.050 |
| Butachlor | 0.500 | Dicofol | 0.100 | Fenthion oxon | 0.020 |
| Butralin | 0.200 | Dicrotophos | 0.050 | Fenthion oxon sulfone | 0.100 |
| Butylate | 0.100 | Dieldrin | 0.100 | Fenthion sulfone | 0.050 |
| Cadusafos | 0.020 | Diethofencarb | 0.020 | Fenuron | 0.020 |
| Captan | 1.000 | Diethyltoluamide (DEET) | 0.050 | Fipronil | 0.100 |
| Carbaryl | 0.050 | Difenoconazole | 0.100 | Fonicamid | 0.100 |
| Carbendazim | 0.100 | Dimethenamid | 0.050 | Fuchloralin | 0.100 |
| Carbofuran | 0.020 | Dimethoate | 0.050 | Flucythrinate | 0.100 |
| Carbophenothion | 0.200 | Dimethomorph | 0.050 | Fludioxonil | 0.200 |
| Carboxin | 0.020 | Diniconazole | 0.200 | Flufenacet | 0.020 |
| Carfentrazone-ethyl | 0.100 | Dinotefuran | 0.200 | Flumioxazin | 0.100 |
| Chlorantraniliprole | 0.020 | Dioxathion | 0.100 | Flumeturon | 0.020 |
| Chordane, cis- | 0.200 | Diphenamid | 0.020 | Fluopicolide | 0.050 |
| Chordane, trans- | 0.200 | Diphenylamine | 0.100 | Fluopyram | 0.020 |
| Chlorfenapyr | 0.500 | Disulfoton | 0.100 | Fluoxastrobin | 0.050 |
| Chlorfenson | 0.200 | Disulfoton sulfone | 0.100 | Flupyradifurone | 0.020 |
| Chlorfenvinphos | 0.050 | Disulfoton sulfoxide | 0.100 | Fluridone | 0.100 |
| Chlorobenzilate | 0.100 | Diuron | 0.050 | Flusilazole | 0.020 |
| Chloroneb | 0.200 | Edifenphos | 0.050 | Flutolanil | 0.020 |
| Chlorpyrifos | 0.050 | Endosulfan alpha | 0.200 | Flutriafol | 0.020 |
| Chlorpyrifos-methyl | 0.200 | Endosulfan beta | 0.200 | Fluvalinate, tau- | 0.100 |
| CIPC | 1.000 | Endosulfan sulfate | 0.100 | Fluxapyroxad | 0.020 |



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Cannabis Multi-Residue Profile, Limits of Quantitation

| Compound | LOQ(mg/kg) | Compound | LOQ(mg/kg) | Compound | LOQ(mg/kg) |
|----------------------|------------|-------------------------------|------------|--------------------------|------------|
| Fomesafen | 0.100 | Mexacarbate | 0.020 | Propamocarb | 0.050 |
| Fonofos | 0.100 | MGK 264 | 0.020 | Proparil | 0.050 |
| Forchlorfenuron | 0.050 | Mirex | 0.100 | Propargite | 0.050 |
| Formetanate | 0.050 | Molinate | 0.050 | Propazine | 0.020 |
| Furathiocarb | 0.020 | Monocrotophos | 0.100 | Propetamphos | 0.050 |
| Heptachlor | 0.100 | Monolinuron | 0.020 | Propham | 0.050 |
| Heptachlor epoxide | 0.100 | Myclobutanil | 0.050 | Propiconazole | 0.050 |
| Heptenophos | 0.100 | Naled | 0.100 | Propoxur | 0.050 |
| Hexachlorobenzene | 0.100 | Napropamide | 0.050 | Propoxycarbazone Na | 0.050 |
| Hexaconazole | 0.100 | Neburon | 0.020 | Propyzamide | 0.050 |
| Hexazinone | 0.100 | Nitrapyrin | 0.100 | Prthiofos | 0.100 |
| Hexythiazox | 0.020 | Norflurazon | 0.050 | Pyraclostrobin | 0.020 |
| Imazalil | 0.100 | Omethoate | 0.100 | Pyrazophos | 0.050 |
| Imidacoprid | 0.100 | O-Phenylphenol | 0.100 | Pyrethrins | 0.050 |
| Indaziflam | 0.020 | Oxadixyl | 0.100 | Pyridaben | 0.020 |
| Indoxacarb | 0.020 | Oxamyl | 0.100 | Pyridafol | 0.100 |
| Iprobenfos | 0.100 | Oxamyl-oxime | 0.100 | Pyridate | 0.020 |
| Iprodione | 0.100 | Oxychlorane | 0.100 | Pyrimethanil | 0.050 |
| Isobenzan | 0.100 | Oxydemeton-Methyl | 0.100 | Pyriproxifen | 0.020 |
| Isocarbophos | 0.500 | Oxythioquinox | 0.200 | Pyroxasulfone | 0.020 |
| Isodrin | 0.100 | Padlobutrazol | 0.050 | Pyroxulam | 0.020 |
| Isofenphos | 0.050 | Paraoxon-ethyl | 0.020 | Quinalphos | 0.050 |
| Isofenphos-methyl | 0.020 | Paraoxon methyl | 0.100 | Quinoxyfen | 0.050 |
| Isofenphos oxon | 0.050 | Parathion ethyl | 0.100 | Quintozene (PQNB) | 0.200 |
| Isoprocarb | 0.020 | Parathion methyl | 0.200 | Resmethrin | 0.050 |
| Isopropalin | 0.200 | Perconazole | 0.050 | Rotenone | 0.050 |
| Isoprothiolane | 0.050 | Perdimethalin | 0.050 | S421 | 0.100 |
| Isoproturon | 0.050 | Perflufen | 0.020 | Smaazine | 0.100 |
| Isoxaben | 0.050 | Pertachloroaniline | 0.100 | Smectryn | 0.200 |
| Isoxaflutole | 0.050 | Pertachloroanisole | 0.100 | Spinetoram | 0.020 |
| Kresoxim-methyl | 0.050 | Pentachlorobenzene (PCB) | 0.100 | Spinosad | 0.050 |
| Lactofen | 0.500 | Pentachlorothiobenzene (PCTA) | 0.100 | Spirodiclofen | 0.100 |
| Lenacl | 0.100 | Perthiopyrad | 0.020 | Spiromesifen | 0.050 |
| Lindane (gammaBHC) | 0.100 | Permethrin | 0.050 | Spirotetramat | 0.050 |
| Linuron | 0.020 | Pethane | 0.100 | Spiroxamine | 0.020 |
| Malaaxon | 0.050 | Phenmedipharm | 0.050 | Sulfotep | 0.050 |
| Malathion | 0.050 | Phanthoate | 0.050 | Sulfoxaflor | 0.050 |
| Mandipropamid | 0.020 | Phorate | 0.050 | Sulprofos | 0.020 |
| Mecarbam | 0.020 | Phorate Sulfone | 0.050 | Tebuconazole | 0.100 |
| Mepanipyrim | 0.050 | Phorate Sulfoxide | 0.050 | Tebufenozide | 0.020 |
| Merphos | 0.500 | Phosalone | 0.050 | Tebuthiuron | 0.020 |
| Metalaxyl | 0.050 | Phosmet | 0.100 | Tecnazene | 0.100 |
| Metaldehyde | 0.050 | Phosphamidon | 0.050 | Tefluthrin | 0.100 |
| Metconazole | 0.100 | Phoxim | 0.050 | Terbufos | 0.020 |
| Methacifos | 0.100 | Pinoxaden | 0.020 | Terbufos sulfone | 0.050 |
| Methamidophos | 0.050 | Piperonyl butoxide | 0.050 | Terbufos sulfoxide | 0.050 |
| Methidathion | 0.050 | Pirimicarb | 0.020 | Terbutylazine | 0.020 |
| Methiocarb | 0.050 | Pirimiphos-methyl | 0.050 | Terbutryn | 0.020 |
| Methiocarb sulfone | 0.100 | Pirimiphos-ethyl | 0.020 | Tetrachlorvinphos | 0.050 |
| Methiocarb sulfoxide | 0.100 | Prallethrin | 0.100 | Tetraconazole | 0.050 |
| Methomyl | 0.100 | Prochloraz | 0.020 | Tetradfon | 0.200 |
| Methoxychlor | 0.100 | Procyimdone | 0.100 | Tetramethrin | 0.050 |
| Methoxyfenozide | 0.020 | Prfenofos | 0.100 | Tetrasul | 0.100 |
| Metobromuron | 0.050 | Prfluralin | 0.100 | Thiabendazole | 0.100 |
| Metolachlor | 0.100 | Prmecarb | 0.050 | Thiabendazole, 5-hydroxy | 0.100 |
| Metolcarb | 0.050 | Prometon | 0.100 | Thiadoprid | 0.050 |
| Metrafenone | 0.050 | Prometryn | 0.020 | Thiamethoxam | 0.100 |
| Metribuzin | 0.100 | Propachlor | 0.020 | Thiobencarb | 0.050 |
| Mevinphos | 0.100 | | | Thiodicarb | 0.050 |
| | | | | Thiophanate-methyl | 0.050 |



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Cannabis Multi-Residue Profile, Limits of Quantitation

| Compound | LOQ(mg/kg) | Compound | LOQ(mg/kg) | Compound | LOQ(mg/kg) |
|------------------|------------|--------------|------------|-----------------|------------|
| Tolclofos-methyl | 0.100 | Triazophos | 0.020 | Trifloxystrobin | 0.020 |
| Triforin | 0.100 | Tolyfluarid | 0.050 | Triticonazole | 0.050 |
| Tralkoxydim | 0.100 | Tridiphane | 0.500 | Vindozolin | 0.100 |
| Triadimefon | 0.050 | Triflumizole | 0.020 | Zoxamide | 0.020 |
| Triallate | 0.100 | Trifluralin | 0.100 | | |

LOQ= Limit of Quantitation, mg/kg

Factors affecting the LOQ include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.



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Hemp & Cannabis
 Chain of Custody

Northwest-Natural
 Goods- 1704758974

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT1508

| Contact Information Company: <u>Northwest Natural Goods</u> [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] | | Project Details Turnaround Time: <u>5 Business Days Req. For Micro Testing Standard</u> Sample Relinquishment Options: <u>Schedule Pick-Up</u> Compliance: <u>Compliance</u> Project Name / ID: <u>HEMP- EB 0105</u> Cannabis Type (select if applicable): <u>Industrial</u> Pick-Up Details Pick-Up Location Name: <u>Northwest Natural Goods</u> [Redacted] [Redacted] [Redacted] | | | Testing H0010 - Cannabis Heavy Metals Pro le CR H0008 - Residual Solvents (Cannabis - Oregon) N3800 - Water Activity & Moisture (as Loss on Drying) Food H0010 - Potency Cannabis (Basis Expanded) P2220 - Multi-Residue Pesticide Pro le (Cannabis) M070 - E. coli/Caliform Count (EO) Petri Im | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|
| Receipt Information Sample Condition: Satisfactory | | | | | | | | | | | |
| # | Sample Name Test | Material | Amount Provided | Reporting Unit | Serving Size | | | | | | |
| 1 | HEMP- EB 0105 | Cannabinoid Edible | 20 each | mg/g & mg/ serving | 4 g | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Relinquished By | Date | Time | Temp., °C | Received By | Date | Time | Received Temp., °C | Evidence of Cooling? |
|------------------------|------------|-------|-----------|-------------|------------|-------|--------------------|----------------------|
| <i>Kristen Johnson</i> | 01/08/2024 | 16:09 | | <i>BR</i> | 01/09/2024 | 10:03 | 25 | <i>No</i> |
| <i>BR</i> | 01/09/2024 | 10:55 | 16.8 | <i>rlt</i> | 01/09/2024 | 10:59 | 25 | <i>No</i> |

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
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Report Number: 24-000301/D003.R000
Report Date: 01/19/2024
ORELAP#: OR100028
Purchase Order:
Received: 01/09/24 10:59

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

Laboratory Quality Control Results

JAOAC2015 V986 Batch ID: 2400293

| Laboratory Control Sample | | | | | | | | | |
|---------------------------|-----|--------|--------|-------|-------|--------|-------|------------|-------|
| Analyte | LCS | Result | Spike | Units | % Rec | Limits | | Evaluation | Notes |
| CBDVA | 2 | 0.0319 | 0.0329 | % | 96.9 | 80.0 | - 120 | Acceptable | |
| CBDV | 2 | 0.0291 | 0.0322 | % | 90.3 | 80.0 | - 120 | Acceptable | |
| CBE | 2 | 0.0319 | 0.0350 | % | 91.0 | 80.0 | - 120 | Acceptable | |
| CBDA | 1 | 0.0317 | 0.0317 | % | 100 | 90.0 | - 110 | Acceptable | |
| CBGA | 1 | 0.0311 | 0.0315 | % | 98.6 | 80.0 | - 120 | Acceptable | |
| CBG | 1 | 0.0302 | 0.0309 | % | 98.0 | 80.0 | - 120 | Acceptable | |
| CBD | 1 | 0.0333 | 0.0330 | % | 101 | 90.0 | - 110 | Acceptable | |
| THCV | 2 | 0.0332 | 0.0352 | % | 94.5 | 80.0 | - 120 | Acceptable | |
| d8THCV | 2 | 0.0290 | 0.0307 | % | 94.4 | 80.0 | - 120 | Acceptable | |
| THCVA | 2 | 0.0300 | 0.0320 | % | 93.8 | 80.0 | - 120 | Acceptable | |
| CBN | 1 | 0.0329 | 0.0330 | % | 99.5 | 80.0 | - 120 | Acceptable | |
| exo-THC | 2 | 0.0307 | 0.0313 | % | 98.1 | 80.0 | - 120 | Acceptable | |
| d9THC | 1 | 0.0336 | 0.0337 | % | 99.8 | 90.0 | - 110 | Acceptable | |
| d8THC | 1 | 0.0342 | 0.0336 | % | 102 | 90.0 | - 110 | Acceptable | |
| 9S-d10THC | 1 | 0.0324 | 0.0326 | % | 99.6 | 80.0 | - 120 | Acceptable | |
| CBL | 2 | 0.0322 | 0.0326 | % | 98.8 | 80.0 | - 120 | Acceptable | |
| 9R-d10THC | 1 | 0.0315 | 0.0318 | % | 99.2 | 80.0 | - 120 | Acceptable | |
| CBC | 2 | 0.0322 | 0.0328 | % | 98.1 | 80.0 | - 120 | Acceptable | |
| THCA | 1 | 0.0321 | 0.0322 | % | 99.5 | 90.0 | - 110 | Acceptable | |
| CBCA | 2 | 0.0330 | 0.0334 | % | 98.8 | 80.0 | - 120 | Acceptable | |
| CBLA | 2 | 0.0334 | 0.0343 | % | 97.3 | 80.0 | - 120 | Acceptable | |
| d9THCP | 2 | 0.0324 | 0.0328 | % | 98.6 | 80.0 | - 120 | Acceptable | |
| CBT | 2 | 0.0328 | 0.0341 | % | 96.4 | 80.0 | - 120 | Acceptable | |

| Method Blank | | | | | | | |
|--------------|--------|---------|-------|-----------|--|------------|-------|
| Analyte | Result | LOQ | Units | Limits | | Evaluation | Notes |
| CBDVA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBDV | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBE | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBDA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBGA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBG | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBD | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| THCV | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| d8THCV | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| THCVA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBN | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| exo-THC | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| d9THC | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| d8THC | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| 9S-d10THC | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBL | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| 9R-d10THC | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBC | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| THCA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBCA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBLA | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| d9THCP | <LOQ | 0.00326 | % | < 0.00326 | | Acceptable | |
| CBT | <LOQ | 0.00326 | % | < 0.00326 | | 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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Received: 01/09/24 10:59

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

Laboratory Quality Control Results

| JAOAC2015 V986 | | Batch ID: 2400293 | | | | | | |
|------------------|---------|--------------------------|---------|-------|------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 24-0002060001 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDVA | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBE | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBD | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBG | 0.0176 | 0.0172 | 0.00309 | % | 2.70 | < 20 | Acceptable | |
| CBD | 0.630 | 0.619 | 0.00309 | % | 1.62 | < 20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBN | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| d9THC | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| d8THC | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| 9S-d10THC | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| 9R-d10THC | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBC | 0.00522 | 0.00512 | 0.00309 | % | 2.00 | < 20 | Acceptable | |
| THCA | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBCA | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBLA | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| d9THCP | <LOQ | <LOQ | 0.00309 | % | NA | < 20 | Acceptable | |
| CBT | <LOQ | <LOQ | 0.00309 | % | 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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Report Number: 24-000301/D003.R000
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Received: 01/09/24 10:59

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

Laboratory Quality Control Results

| Residual Solvents | | | | Batch ID: 2400422 | | | | | |
|---------------------|--------|-------|-------|---------------------------|-------|-------|-------|----------|-------|
| Method Blank | | | | Laboratory Control Sample | | | | | |
| Analyte | Result | LOQ | Notes | Result | Spike | Units | % Rec | Limits | Notes |
| Propane | ND | < 200 | | 603 | 584 | µg/g | 103.3 | 60 - 120 | |
| Isobutane | ND | < 200 | | 795 | 767 | µg/g | 103.7 | 60 - 120 | |
| Butane | ND | < 200 | | 794 | 782 | µg/g | 101.5 | 60 - 120 | |
| 2,2-Dimethylpropane | ND | < 200 | | 993 | 939 | µg/g | 105.8 | 60 - 120 | |
| Methanol | ND | < 200 | | 1400 | 1600 | µg/g | 87.5 | 60 - 120 | |
| Ethylene Oxide | ND | < 30 | | 58.7 | 57.1 | µg/g | 102.8 | 60 - 120 | |
| 2-Methylbutane | ND | < 200 | | 1400 | 1600 | µg/g | 87.5 | 60 - 120 | |
| Pentane | ND | < 200 | | 1360 | 1600 | µg/g | 85.0 | 60 - 120 | |
| Ethanol | ND | < 200 | | 1330 | 1600 | µg/g | 83.1 | 70 - 130 | |
| Ethyl Ether | ND | < 200 | | 1420 | 1600 | µg/g | 88.8 | 60 - 120 | |
| 2,2-Dimethylbutane | ND | < 30 | | 142 | 161 | µg/g | 88.2 | 60 - 120 | |
| Acetone | ND | < 200 | | 1450 | 1600 | µg/g | 90.6 | 60 - 120 | |
| 2-Propanol | ND | < 200 | | 1460 | 1600 | µg/g | 91.3 | 60 - 120 | |
| Acetonitrile | ND | < 100 | | 431 | 488 | µg/g | 88.3 | 60 - 120 | |
| 2,3-Dimethylbutane | ND | < 30 | | 135 | 163 | µg/g | 82.8 | 60 - 120 | |
| Dichloromethane | ND | < 60 | | 427 | 488 | µg/g | 87.5 | 60 - 120 | |
| 2-Methylpentane | ND | < 30 | | 77.2 | 161 | µg/g | 48.0 | 60 - 120 | Q6 |
| 3-Methylpentane | ND | < 30 | | 140 | 162 | µg/g | 86.4 | 60 - 120 | |
| Hexane | ND | < 30 | | 127 | 161 | µg/g | 78.9 | 60 - 120 | |
| Ethyl acetate | ND | < 200 | | 1420 | 1610 | µg/g | 88.2 | 60 - 120 | |
| 2-Butanol | ND | < 200 | | 1430 | 1610 | µg/g | 88.8 | 60 - 120 | |
| Tetrahydrofuran | ND | < 100 | | 432 | 483 | µg/g | 89.4 | 60 - 120 | |
| Cyclohexane | ND | < 200 | | 1410 | 1600 | µg/g | 88.1 | 60 - 120 | |
| Benzene | ND | < 1 | | 2.73 | 4.99 | µg/g | 54.7 | 60 - 120 | Q6 |
| Isopropyl Acetate | ND | < 200 | | 1430 | 1600 | µg/g | 89.4 | 60 - 120 | |
| Heptane | ND | < 200 | | 1370 | 1600 | µg/g | 85.6 | 60 - 120 | |
| 1,4-Dioxane | ND | < 100 | | 402 | 480 | µg/g | 83.8 | 60 - 120 | |
| 2-Ethoxyethanol | ND | < 30 | | 120 | 161 | µg/g | 74.5 | 60 - 120 | |
| Ethylene Glycol | ND | < 200 | | 241 | 481 | µg/g | 50.1 | 60 - 120 | Q6 |
| Toluene | ND | < 100 | | 419 | 483 | µg/g | 86.7 | 60 - 120 | |
| Ethylbenzene | ND | < 200 | | 849 | 962 | µg/g | 88.3 | 60 - 120 | |
| m,p-Xylene | ND | < 200 | | 859 | 972 | µg/g | 88.4 | 60 - 120 | |
| o-Xylene | ND | < 200 | | 847 | 965 | µg/g | 87.8 | 60 - 120 | |
| Cumene | ND | < 30 | | 153 | 169 | µg/g | 90.5 | 60 - 120 | |



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

| QC - Sample Duplicate | | Sample ID: 24-000281-0001 | | | | | | |
|-----------------------|--------|---------------------------|-----|-------|-----|--------|-------------|-------|
| 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 | |
| Acetonitrile | ND | ND | 100 | 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 | |
| 3-Methylpentane | ND | ND | 30 | µg/g | 0.0 | < 20 | Acceptable | |
| Hexane | ND | ND | 30 | 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 | |
| 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 | |
| 1,4-Dioxane | ND | ND | 100 | µg/g | 0.0 | < 20 | Acceptable | |
| 2-Ethoxyethanol | ND | ND | 30 | 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 | |
| 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 | |

Abbreviations

ND - None Detected at or above MRL
 RPD - Relative Percent Difference
 LOQ - Limit of Quantitation
 Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

µg/g - Microgram per gram or ppm



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Explanation of QC Flag Comments:

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