



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



Report Number: 22-011232/D003.R000
Report Date: 09/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/19/22 16:00

Customer: Brothers Apothecary
Product identity: Hemp Isolate
Client/Metric ID: .
Laboratory ID: 22-011232-0002

Summary

Potency:

| Analyte | Result (%) | | |
|---------|------------|--|---------------------------------------|
| CBD | 55.7 | | CBD-Total 55.7% |
| CBG | 20.7 | | THC-Total <LOQ |
| CBN | 17.2 | | (Reported in percent of total sample) |

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Customer: Brothers Apothecary
 3423 SE18th Ave
 Portland OR, 97202
 United States of America (USA)

Product identity: Hemp Isolate

Client/Metric ID: .

Sample Date:


Laboratory ID: 22-011232-0002

Evidence of Cooling: No

Temp: 29 °C

Relinquished by: client

Sample Results

| Potency | Method: J AOAC 2015 V98-6 (mod) ^p | | | Units % | Batch: 2207941 | Analyze: 9/20/22 9:48:00 PM |
|---------------------------|--|------------|--------|---------|--|-----------------------------|
| Analyte | As Received | Dry weight | LOQ | Notes | | |
| CBD | 55.7 | | 0.667 | |  <ul style="list-style-type: none"> ● CBD ● CBG ● CBN | |
| CBD-A | < LOQ | | 0.0667 | | | |
| CBD-Total | 55.7 | | 0.726 | | | |
| CBG | 20.7 | | 0.667 | | | |
| CBG-A | < LOQ | | 0.0667 | | | |
| CBG-Total | 20.7 | | 0.725 | | | |
| CBN | 17.2 | | 0.0667 | | | |
| Δ10-THC | < LOQ | | 0.0667 | | | |
| Δ8-THC | < LOQ | | 0.0667 | | | |
| Δ9-THC | < LOQ | | 0.0667 | | | |
| THC-A | < LOQ | | 0.0667 | | | |
| THC-Total | < LOQ | | 0.125 | | | |
| Total Cannabinoids | 93.6 | | | | | |

| Microbiology | | | | | | | | |
|-------------------------|----------|--------|-------|-----|---------|---|--------|-------|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | Status | Notes |
| E.coli | < LOQ | 100.00 | cfu/g | 10 | 2207922 | 09/23/22 AOAC 991.14 (Petrifilm) ^p | pass | |
| Total Coliforms | < LOQ | 100.00 | cfu/g | 10 | 2207922 | 09/23/22 AOAC 991.14 (Petrifilm) ^p | pass | |
| Mold (RAPID Petrifilm) | < LOQ | 1,000. | cfu/g | 10 | 2207923 | 09/24/22 AOAC 2014.05 (RAPID) ^p | pass | |
| Yeast (RAPID Petrifilm) | < LOQ | 1,000. | cfu/g | 10 | 2207923 | 09/24/22 AOAC 2014.05 (RAPID) ^p | pass | |
| Salmonella spp. by PCR | Negative | | /25g | | 2207930 | 09/22/22 AOAC 2020.02 ^b | | |
| EHEC including STEC | Negative | | /25g | | 2207932 | 09/22/22 AOAC RI 121806 ^b | | |



| Solvents | | | | | | | | | | | Method: Residual Solvents by GC/MS ^b | | | | | Units µg/g | | Batch 2208097 | | Analyze 09/26/22 12:54 PM | | | | |
|---------------------------------|--------|--------|-------|--------|-------|-----------------------------------|---------|--------|------|--------|---|-----------------------------------|---------|--------|------|------------|-------|---------------|--|---------------------------|--|--|--|--|
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes | | | | | | | |
| 1-Butanol | < LOQ | | 500 | | | 1-Pentanol | < LOQ | | 500 | | | 1-Pentanol | < LOQ | | 500 | | | | | | | | | |
| 1,1-Dichloroethane | < LOQ | | 1.00 | | | 1,2-Dichloroethane | < LOQ | | 1.00 | | | 1,2-Dichloroethane | < LOQ | | 1.00 | | | | | | | | | |
| 1,2-Dimethoxyethane | < LOQ | | 50.0 | | | 1,4-Dioxane | < LOQ | | 100 | | | 1,4-Dioxane | < LOQ | | 100 | | | | | | | | | |
| 2-Butanol | < LOQ | | 200 | | | 2-Ethoxyethanol | < LOQ | | 30.0 | | | 2-Ethoxyethanol | < LOQ | | 30.0 | | | | | | | | | |
| 2-methyl-1-propanol | < LOQ | | 500 | | | 2-Methylbutane (Isopentane) | < LOQ | 1000 | 200 | pass | | 2-Methylbutane (Isopentane) | < LOQ | 1000 | 200 | pass | | | | | | | | |
| 2-Methylpentane | < LOQ | 60.0 | 30.0 | pass | | 2-Propanol (IPA) | < LOQ | 1000 | 200 | pass | | 2-Propanol (IPA) | < LOQ | 1000 | 200 | pass | | | | | | | | |
| 2,2-Dimethylbutane | < LOQ | 60.0 | 30.0 | pass | | 2,2-Dimethylpropane (neo-pentane) | < LOQ | 1000 | 200 | pass | | 2,2-Dimethylpropane (neo-pentane) | < LOQ | 1000 | 200 | pass | | | | | | | | |
| 2,3-Dimethylbutane | < LOQ | 60.0 | 30.0 | pass | | 3-Methyl-(1)-Butanol | < LOQ | | 500 | | | 3-Methyl-(1)-Butanol | < LOQ | | 500 | | | | | | | | | |
| 3-Methylpentane | < LOQ | 60.0 | 30.0 | pass | | Acetic Acid | < LOQ | | 250 | | | Acetic Acid | < LOQ | | 250 | | | | | | | | | |
| Acetone | < LOQ | 1000 | 200 | pass | | Acetonitrile | < LOQ | | 100 | | | Acetonitrile | < LOQ | | 100 | | | | | | | | | |
| Anisole | < LOQ | | 500 | | | Benzene | < LOQ | 2.00 | 1.00 | pass | | Benzene | < LOQ | 2.00 | 1.00 | pass | | | | | | | | |
| Butanes (sum) | < LOQ | 1000 | 400 | pass | | Butyl acetate | < LOQ | | 500 | | | Butyl acetate | < LOQ | | 500 | | | | | | | | | |
| Chloroform | < LOQ | | 1.00 | | | Cyclohexane | < LOQ | | 200 | | | Cyclohexane | < LOQ | | 200 | | | | | | | | | |
| DMSO | < LOQ | | 500 | | | Ethanol | < LOQ | 1000 | 200 | pass | | Ethanol | < LOQ | 1000 | 200 | pass | | | | | | | | |
| Ethyl acetate | < LOQ | 1000 | 200 | pass | | Ethyl benzene | < LOQ | | 200 | | | Ethyl benzene | < LOQ | | 200 | | | | | | | | | |
| Ethyl ether | < LOQ | | 200 | | | Ethyl Formate | < LOQ | | 500 | | | Ethyl Formate | < LOQ | | 500 | | | | | | | | | |
| Ethylene glycol | < LOQ | | 200 | | | Ethylene oxide | < LOQ | | 1.00 | | | Ethylene oxide | < LOQ | | 1.00 | | | | | | | | | |
| Formic Acid | < LOQ | | 250 | | | Hexanes (sum) | < LOQ | 60.0 | 150 | pass | | Hexanes (sum) | < LOQ | 60.0 | 150 | pass | | | | | | | | |
| Isobutyl acetate | < LOQ | | 500 | | | Isopropyl acetate | < LOQ | | 200 | | | Isopropyl acetate | < LOQ | | 200 | | | | | | | | | |
| Isopropylbenzene (Cumene) | < LOQ | | 30.0 | | | m,p-Xylene | < LOQ | 430 | 200 | pass | | m,p-Xylene | < LOQ | 430 | 200 | pass | | | | | | | | |
| Methanol | < LOQ | 600 | 200 | pass | | Methyl-t-butyl ether | < LOQ | | 500 | | | Methyl-t-butyl ether | < LOQ | | 500 | | | | | | | | | |
| Methylacetat | < LOQ | | 500 | | | Methylene chloride | < LOQ | | 1.00 | | | Methylene chloride | < LOQ | | 1.00 | | | | | | | | | |
| Methylethylketone | < LOQ | | 500 | | | Methylisobutylketone | < LOQ | | 500 | | | Methylisobutylketone | < LOQ | | 500 | | | | | | | | | |
| Methylpropane (Isobutane) | < LOQ | 1000 | 200 | pass | | n-Butane | < LOQ | 1000 | 200 | pass | | n-Butane | < LOQ | 1000 | 200 | pass | | | | | | | | |
| n-Heptane | < LOQ | 1000 | 200 | pass | | n-Hexane | < LOQ | 60.0 | 30.0 | pass | | n-Hexane | < LOQ | 60.0 | 30.0 | pass | | | | | | | | |
| n-Pentane | < LOQ | 1000 | 200 | pass | | n-Propanol | < LOQ | | 500 | | | n-Propanol | < LOQ | | 500 | | | | | | | | | |
| N,N-dimethylacetamide | < LOQ | | 200 | | | N,N-dimethylformamide | < LOQ | | 200 | | | N,N-dimethylformamide | < LOQ | | 200 | | | | | | | | | |
| o-Xylene | < LOQ | 430 | 200 | pass | | Pentanes (sum) | < LOQ | 1000 | 600 | pass | | Pentanes (sum) | < LOQ | 1000 | 600 | pass | | | | | | | | |
| Propane | < LOQ | 1000 | 200 | pass | | Propyl Acetate | < LOQ | | 500 | | | Propyl Acetate | < LOQ | | 500 | | | | | | | | | |
| Pyridine | < LOQ | | 50.0 | | | Sulfolane | pending | | 50.0 | | | Sulfolane | pending | | 50.0 | | | | | | | | | |
| Tetrahydrofuran | < LOQ | | 100 | | | Toluene | < LOQ | 180 | 100 | pass | | Toluene | < LOQ | 180 | 100 | pass | | | | | | | | |
| Total Residual Solvents | < LOQ | | 5,000 | | | Total Xylenes | < LOQ | 430 | 400 | pass | | Total Xylenes | < LOQ | 430 | 400 | pass | | | | | | | | |
| Total Xylenes and Ethyl benzene | < LOQ | | 600 | | | Trichloroethylene | < LOQ | | 1.00 | | | Trichloroethylene | < LOQ | | 1.00 | | | | | | | | | |
| Triethylamine | < LOQ | | 500 | | | | | | | | | | | | | | | | | | | | | |



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| Pesticides | | | | | | | | | | | |
|---|--------|--------|-------|--------|-------|----------------------|--------|--------|-------|--------|-------|
| Method: AOAC 2007.01 & EN 15662 (mod) | | | | | | | | | | | |
| Units mg/kg Batch 2207934 Analyze 09/21/22 09:07 AM | | | | | | | | | | | |
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
| Abamectin | < LOQ | 0.25 | 0.070 | pass | | Acephate | < LOQ | 0.050 | 0.020 | pass | |
| Acequinocyl | < LOQ | 0.030 | 0.025 | pass | | Acetamidiprid | < LOQ | 0.050 | 0.050 | pass | |
| Aldicarb | < LOQ | 0.50 | 0.100 | pass | | Allethrin | < LOQ | 0.10 | 0.100 | pass | |
| Atrazine | < LOQ | 0.0250 | 0.025 | pass | | Azadirachtin | < LOQ | 1.0 | 0.500 | pass | |
| Azoxystrobin | < LOQ | 0.010 | 0.010 | pass | | Benzovindiflupyr | < LOQ | 0.010 | 0.010 | pass | |
| Bifenazate | < LOQ | 0.010 | 0.010 | pass | | Bifenthrin | < LOQ | 1.0 | 0.100 | pass | |
| Boscalid | < LOQ | 0.010 | 0.010 | pass | | Buprofezin | < LOQ | 0.020 | 0.010 | pass | |
| Captan | < LOQ | | 0.700 | | | Carbaryl | < LOQ | 0.025 | 0.025 | pass | |
| Carbofuran | < LOQ | 0.010 | 0.010 | pass | | Chlorantraniliprole | < LOQ | 0.020 | 0.010 | pass | |
| Chlordane (cis+trans) | < LOQ | | 0.100 | | | Chlorfenapyr | < LOQ | 1.5 | 0.100 | pass | |
| Chlorpyrifos | < LOQ | 0.50 | 0.010 | pass | | Clofentezine | < LOQ | 0.010 | 0.010 | pass | |
| Clothianidin | < LOQ | 0.025 | 0.025 | pass | | Coumaphos | < LOQ | 0.010 | 0.010 | pass | |
| Cyantraniliprole | < LOQ | 0.010 | 0.010 | pass | | Cyfluthrin | < LOQ | 0.20 | 0.400 | pass | |
| Cyhalothrin,lambda | < LOQ | 0.0200 | 0.250 | pass | | Cypermethrin | < LOQ | 0.30 | 0.300 | pass | |
| Cyprodinil | < LOQ | 0.010 | 0.010 | pass | | Daminozide | < LOQ | 0.10 | 0.050 | pass | |
| Deltamethrin | < LOQ | 0.50 | 0.500 | pass | | Diazinon | < LOQ | 0.020 | 0.010 | pass | |
| Dichlorvos | < LOQ | 0.050 | 0.050 | pass | | Dimethoate | < LOQ | 0.010 | 0.010 | pass | |
| Dimethomorph | < LOQ | 0.050 | 0.050 | pass | | Dinotefuran | < LOQ | 0.050 | 0.050 | pass | |
| Diuron | < LOQ | 0.125 | 0.125 | pass | | Dodemorph | < LOQ | 0.050 | 0.050 | pass | |
| Endosulfan I (alpha) | < LOQ | 2.5 | 0.050 | pass | | Endosulfan II (beta) | < LOQ | 2.5 | 0.050 | pass | |
| Endosulfan sulfate | < LOQ | 2.5 | 0.050 | pass | | Ethoprophos | < LOQ | 0.010 | 0.010 | pass | |
| Etofenprox | < LOQ | 0.050 | 0.010 | pass | | Etoxazole | < LOQ | 0.020 | 0.010 | pass | |
| Etridiazole | < LOQ | 0.15 | 0.050 | pass | | Fenhexamid | < LOQ | 0.13 | 0.100 | pass | |
| Fenoxycarb | < LOQ | 0.010 | 0.010 | pass | | Fenpyroximate | < LOQ | 0.020 | 0.020 | pass | |
| Fensulfothion | < LOQ | 0.010 | 0.010 | pass | | Fenthion | < LOQ | 0.010 | 0.010 | pass | |
| Fenvalerate | < LOQ | | 0.200 | | | Fipronil | < LOQ | 0.010 | 0.010 | pass | |
| Fonicamid | < LOQ | 0.025 | 0.025 | pass | | Fludioxonil | < LOQ | 0.010 | 0.010 | pass | |
| Fluopyram | < LOQ | 0.010 | 0.010 | pass | | Hexythiazox | < LOQ | 0.010 | 0.010 | pass | |
| Imazalil | < LOQ | 0.010 | 0.010 | pass | | Imidacloprid | < LOQ | 0.010 | 0.010 | pass | |
| Iprodione | < LOQ | 0.50 | 0.500 | pass | | Kinoprene | < LOQ | 1.3 | 0.050 | pass | |
| Kresoxim-methyl | < LOQ | 0.15 | 0.010 | pass | | Malathion | < LOQ | 0.010 | 0.010 | pass | |
| Metalaxyl | < LOQ | 0.010 | 0.010 | pass | | Methiocarb | < LOQ | 0.010 | 0.010 | pass | |
| Methomyl | < LOQ | 0.025 | 0.025 | pass | | Methoprene | < LOQ | 2.0 | 1.00 | pass | |
| Mevinphos | < LOQ | 0.025 | 0.025 | pass | | MGK-264 | < LOQ | 0.050 | 0.050 | pass | |
| Myclobutanil | < LOQ | 0.010 | 0.010 | pass | | Naled | < LOQ | 0.10 | 0.100 | pass | |
| Novaluron | < LOQ | 0.025 | 0.025 | pass | | Oxamyl | < LOQ | 1.5 | 0.500 | pass | |
| Paclobotrazole | < LOQ | 0.010 | 0.010 | pass | | Parathion-Methyl | < LOQ | 0.050 | 0.030 | pass | |
| Permethrin | < LOQ | 0.50 | 0.040 | pass | | Phenothrin | < LOQ | 0.050 | 0.025 | pass | |
| Phosmet | < LOQ | 0.020 | 0.010 | pass | | Piperonyl butoxide | < LOQ | 1.3 | 0.200 | pass | |
| Pirimicarb | < LOQ | 0.010 | 0.010 | pass | | Prallethrin | < LOQ | 0.050 | 0.050 | pass | |
| Propiconazole | < LOQ | 0.10 | 0.010 | pass | | Propoxur | < LOQ | 0.010 | 0.010 | pass | |
| Pyraclostrobin | < LOQ | 0.010 | 0.010 | pass | | Pyrethrins (total) | < LOQ | 0.050 | 0.025 | pass | |
| Pyridaben | < LOQ | 0.020 | 0.020 | pass | | Pyriproxyfen | < LOQ | 0.0100 | 0.010 | pass | |
| Quintozene | < LOQ | 0.020 | 0.020 | pass | | Resmethrin | < LOQ | 0.050 | 0.020 | pass | |
| Spinetoram | < LOQ | 0.010 | 0.010 | pass | | Spinosad | < LOQ | 0.010 | 0.010 | pass | |
| Spirodiclofen | < LOQ | 0.25 | 0.250 | pass | | Spiromesifen | < LOQ | 3.0 | 0.030 | pass | |



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| Pesticides | | | | | | | | | | | |
|---------------------------------------|--------|--------|-------|--------|-------|-------------------|---------------|---------------------------|-------|--------|-------|
| Method: AOAC 2007.01 & EN 15662 (mod) | | | | | | Units mg/kg | Batch 2207934 | Analyze 09/21/22 09:07 AM | | | |
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes |
| Spirotetramat | < LOQ | 0.010 | 0.010 | pass | | Spiroxamine | < LOQ | 0.10 | 0.010 | pass | |
| Tebuconazole | < LOQ | 0.010 | 0.010 | pass | | Tebufenozide | < LOQ | 0.010 | 0.010 | pass | |
| Teflubenzuron | < LOQ | 0.025 | 0.025 | pass | | Tetrachlorvinphos | < LOQ | 0.010 | 0.010 | pass | |
| Tetramethrin | < LOQ | 0.10 | 0.050 | pass | | Thiabendazole | < LOQ | 0.0200 | 0.020 | pass | |
| Thiacloprid | < LOQ | 0.010 | 0.010 | pass | | Thiamethoxam | < LOQ | 0.010 | 0.010 | pass | |
| Thiophanate-Methyl | < LOQ | 0.050 | 0.030 | pass | | Trifloxystrobin | < LOQ | 0.010 | 0.010 | pass | |

| Metals | | | | | | | | | | | |
|---------|--------|--------|-------|--------|---------|-----------------|----------------------------------|--------|-------|--|--|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | | Status | Notes | | |
| Arsenic | < LOQ | 1.50 | mg/kg | 0.0895 | 2208028 | 09/22/22 | AOAC 2013.06 (mod.) ^P | pass | | | |
| Cadmium | < LOQ | 0.50 | mg/kg | 0.0895 | 2208028 | 09/22/22 | AOAC 2013.06 (mod.) ^P | pass | | | |
| Lead | < LOQ | 0.50 | mg/kg | 0.0895 | 2208028 | 09/22/22 | AOAC 2013.06 (mod.) ^P | pass | | | |
| Mercury | < LOQ | 1.50 | mg/kg | 0.0447 | 2208028 | 09/22/22 | AOAC 2013.06 (mod.) ^P | pass | | | |

| Mycotoxins | | | | | | | | | | | |
|-------------------------------|--------|--------|-------|------|---------|-----------------|--|--------|-------|--|--|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyzed Method | | Status | Notes | | |
| Aflatoxin B2 ^Y | < LOQ | 5.00 | µg/kg | 5.00 | 2207994 | 09/22/22 | AOAC 2007.01 & EN 15662 (mod) ^P | pass | | | |
| Aflatoxin B1 ^Y | < LOQ | 5.00 | µg/kg | 5.00 | 2207994 | 09/22/22 | AOAC 2007.01 & EN 15662 (mod) ^P | pass | | | |
| Aflatoxin G1 ^Y | < LOQ | 5.00 | µg/kg | 5.00 | 2207994 | 09/22/22 | AOAC 2007.01 & EN 15662 (mod) ^P | pass | | | |
| Aflatoxin G2 ^Y | < LOQ | 5.00 | µg/kg | 5.00 | 2207994 | 09/22/22 | AOAC 2007.01 & EN 15662 (mod) ^P | pass | | | |
| Ochratoxin A ^Y | < LOQ | 5.00 | µg/kg | 5.00 | 2207994 | 09/22/22 | AOAC 2007.01 & EN 15662 (mod) ^P | pass | | | |
| Total Aflatoxins ^Y | 0.000 | | µg/kg | 20.0 | | 09/27/22 | AOAC 2007.01 & EN 15662 (mod) ^P | | | | |



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These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, 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.

Threshold Note: Action levels per 6 CCR 1010-21 CDPHE requirements

♯ = ISO/IEC 17025:2017 accredited method.

¥ = TNI accredited analyte.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

µg/g = Microgram per gram

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

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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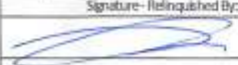
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**Hemp & Cannabis: Usable / Extract / Finished Product
Chain of Custody Record**

Document Control ID: 2832 Revision: 5
Effective: 01/04/2022

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1506

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|----------------------|--|---------------------------|-------------------------|---------------------------|------------------|------------------------|--------------|--------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|--|--|
| Company: Brothers Apothecary Contact: Jesse Richardson Address: 3423 SE 18th Ave City: Portland State: OR Zip Code: 97202 <input type="checkbox"/> Email Results: jesse@brotherstea.com <input type="checkbox"/> Ph: (503) 653.4634 <i>(Billing Contact (if different))</i> Name: _____ Email: _____ Address: _____ City: _____ State: _____ Zip: _____ Ph: (____) _____ | | | Analysis Requested <table border="1"> <tr> <td>H0014 - basic potency</td> <td>H0024 cannabis solvents</td> <td>P2140 cannabis pesticides</td> <td>M264 aspergillus</td> <td>M7000 Colorado Profile</td> <td>H0013 Metals</td> <td>Mycotoxins (H0042)</td> </tr> <tr> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table> | | | | | | H0014 - basic potency | H0024 cannabis solvents | P2140 cannabis pesticides | M264 aspergillus | M7000 Colorado Profile | H0013 Metals | Mycotoxins (H0042) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | PO Number: _____ Project ID: _____ Batch ID: COL-BR-01 Sampled by: Richardson-Random Custom Reporting: Source Material: <input type="checkbox"/> - Ind. Hemp product <input type="checkbox"/> - Rec. Cannabis Reporting Type: <input type="checkbox"/> - Compliance <input type="checkbox"/> - R&D Report to: <input type="checkbox"/> - METRC <input type="checkbox"/> - OGA <input type="checkbox"/> - USDA <input type="checkbox"/> - Other: Turnaround time (TAT - Business Days): <input checked="" type="checkbox"/> - 5BD <input type="checkbox"/> - 3BD* <input type="checkbox"/> - 2BD* <i>*Check for availability</i> | | |
| H0014 - basic potency | H0024 cannabis solvents | P2140 cannabis pesticides | M264 aspergillus | M7000 Colorado Profile | H0013 Metals | Mycotoxins (H0042) | | | | | | | | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | |
| Lab ID | Client Sample Identification | Sample date | | | | | Material Type | Weight (Units) | Comments/Metric ID | | | | | | | | | | | | | | | | |
| | Brothers Hemp Base (Tea, Capsules, Protein) | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | P | | | | | | | | | | | | | | | | | | |
| | Hemp Isolate | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | I | | | | | | | | | | | | | | | | | | |
| | Hemp Distillate | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | C | | | | | | | | | | | | | | | | | | |
| Signature - Relinquished By:  | | | Date: 9/19/22 | Time: 3:08 pm | Signature - Received By: JF | Date: 9/19 | Time: 15:07 | Lab Use Only: <input type="checkbox"/> Shipped Via: _____ or <input checked="" type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): 29.0 Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash <input type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: Prelog storage: _____ | | | | | | | | | | | | | | | | | |

- Material Type Codes: Plant Material [] ; Isolate [] ; Concentrate/Extract [] ; Tincture/Topical [] ; Edible [] ; Beverage [] ; Vapor Product []
 Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the _____ associated with this COC. By signing "Relinquished By" you are agreeing to these terms.
 12423 NE Whitaker Way
 Portland, OR 97230
 P: (503) 254-1794 | Fax: (503) 254-1452
 Page _____ of _____



12423 NE Whitaker Way
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 503-254-1794



Report Number: 22-011232/D003.R000
Report Date: 09/27/2022
ORELAP#: OR100028
Purchase Order:
Received: 09/19/22 16:00

Revision: 1 Document ID: 7148
 Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2207941

| Laboratory Control Sample | | | | | | | | | |
|---------------------------|-----|--------|--------|-------|-------|--------|-------|------------|-------|
| Analyte | LCS | Result | Spike | Units | % Rec | Limits | | Evaluation | Notes |
| CBDVA | 2 | 0.106 | 0.100 | % | 106 | 80.0 | - 120 | Acceptable | |
| CBDV | 2 | 0.112 | 0.100 | % | 112 | 80.0 | - 120 | Acceptable | |
| CBE | 2 | 0.106 | 0.100 | % | 106 | 80.0 | - 120 | Acceptable | |
| CBDA | 1 | 0.105 | 0.100 | % | 105 | 90.0 | - 110 | Acceptable | |
| CBGA | 1 | 0.104 | 0.0990 | % | 105 | 80.0 | - 120 | Acceptable | |
| CBG | 1 | 0.116 | 0.108 | % | 107 | 80.0 | - 120 | Acceptable | |
| CBD | 1 | 0.116 | 0.108 | % | 108 | 90.0 | - 110 | Acceptable | |
| THCV | 2 | 0.107 | 0.100 | % | 107 | 80.0 | - 120 | Acceptable | |
| d8THCV | 2 | 0.108 | 0.100 | % | 108 | 80.0 | - 120 | Acceptable | |
| THCVA | 2 | 0.107 | 0.100 | % | 107 | 80.0 | - 120 | Acceptable | |
| CBN | 1 | 0.114 | 0.108 | % | 105 | 90.0 | - 110 | Acceptable | |
| exo-THC | 2 | 0.103 | 0.100 | % | 103 | 80.0 | - 120 | Acceptable | |
| d9THC | 1 | 0.118 | 0.116 | % | 102 | 90.0 | - 110 | Acceptable | |
| d8THC | 1 | 0.107 | 0.100 | % | 107 | 80.0 | - 120 | Acceptable | |
| CBL | 2 | 0.101 | 0.100 | % | 101 | 80.0 | - 120 | Acceptable | |
| d10THC | 1 | 0.0967 | 0.100 | % | 96.7 | 80.0 | - 120 | Acceptable | |
| CBC | 2 | 0.105 | 0.100 | % | 105 | 80.0 | - 120 | Acceptable | |
| THCA | 1 | 0.0962 | 0.0955 | % | 101 | 90.0 | - 110 | Acceptable | |
| CBCA | 2 | 0.104 | 0.100 | % | 104 | 80.0 | - 120 | Acceptable | |
| CBLA | 2 | 0.108 | 0.100 | % | 108 | 80.0 | - 120 | Acceptable | |
| CBT | 2 | 0.0922 | 0.100 | % | 92.2 | 80.0 | - 120 | Acceptable | |

| Method Blank | | | | | | | | | |
|--------------|--------|-------|-------|---------|--|------------|-------|--|--|
| Analyte | Result | LOQ | Units | Limits | | Evaluation | Notes | | |
| CBDVA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBDV | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBE | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBDA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBGA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBG | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBD | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| THCV | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| d8THCV | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| THCVA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBN | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| exo-THC | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| d9THC | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| d8THC | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBL | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| d10THC | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBC | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| THCA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBCA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBLA | <LOQ | 0.077 | % | < 0.077 | | Acceptable | | | |
| CBT | <LOQ | 0.077 | % | < 0.077 | | 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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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

| J AOAC 2015 V98-6 | | Batch ID: 2207941 | | | | | | |
|-------------------|--------|---------------------------|-------|-------|-------|--------|------------|-------|
| Sample Duplicate | | Sample ID: 22-011064-0001 | | | | | | |
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Evaluation | Notes |
| CBDVA | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBDV | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBE | 0.143 | 0.159 | 0.077 | % | 11.0 | < 20 | Acceptable | |
| CBD | 3.31 | 3.45 | 0.077 | % | 4.14 | < 20 | Acceptable | |
| CBDVA | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBGA | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBG | 0.138 | 0.150 | 0.077 | % | 8.43 | < 20 | Acceptable | |
| CBD | 2.38 | 2.51 | 0.077 | % | 5.22 | < 20 | Acceptable | |
| THCV | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| d8THCV | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| THCVA | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBN | 0.275 | 0.287 | 0.077 | % | 4.54 | < 20 | Acceptable | |
| exo-THC | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| d9THC | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| d8THC | 0.493 | 0.505 | 0.077 | % | 2.29 | < 20 | Acceptable | |
| CBL | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| d10THC | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBC | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| THCA | 0.283 | 0.281 | 0.077 | % | 0.502 | < 20 | Acceptable | |
| CBCA | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBLA | <LOQ | <LOQ | 0.077 | % | NA | < 20 | Acceptable | |
| CBT | 0.485 | 0.476 | 0.077 | % | 1.94 | < 20 | Acceptable | |

Abbreviations

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

Units of Measure:



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Revision: 1 Document ID: TBA

Laboratory Quality Control Results

| Organic Acids | | | | Batch ID: 2207970 | | | | | | |
|---------------|--------|-----|-------|---------------------------|-------|-------|-------|----------|-------|--|
| Method Blank | | | | Laboratory Control Sample | | | | | | |
| Analyte | Result | LOQ | Notes | Result | Spike | Units | % Rec | Limits | Notes | |
| Acetic Acid | <LOQ | < | 250 | 479 | 522 | µg/g | 91.9 | 70 - 130 | | |
| Formic Acid | <LOQ | < | 250 | 642 | 617 | µg/g | 104.1 | 70 - 130 | | |

| QC - Sample Duplicate | | | | Sample ID: LCS | | | | |
|-----------------------|--------|-------------|-----|----------------|-----|--------|-------------|-------|
| Analyte | Result | Org. Result | LOQ | Units | RPD | Limits | Accept/Fail | Notes |
| Acetic Acid | <LOQ | <LOQ | 250 | µg/g | 0.0 | < 20 | Acceptable | |
| Formic Acid | <LOQ | <LOQ | 250 | 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



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Laboratory Quality Control Results

| Residual Solvents | | | | Batch ID: 2208097 | | | | | |
|-----------------------|--------|-------|-------|---------------------------|-------|-------|-------|----------|-------|
| Method Blank | | | | Laboratory Control Sample | | | | | |
| Analyte | Result | LOQ | Notes | Result | Spike | Units | % Rec | Limits | Notes |
| Propane | ND | < 200 | | 442 | 572 | µg/g | 77.3 | 60 - 120 | |
| Isobutane | ND | < 200 | | 555 | 731 | µg/g | 75.9 | 60 - 120 | |
| Butane | ND | < 200 | | 540 | 731 | µg/g | 73.9 | 60 - 120 | |
| 2,2-Dimethylpropane | ND | < 200 | | 730 | 936 | µg/g | 78.0 | 60 - 120 | |
| Methanol | ND | < 200 | | 1360 | 1650 | µg/g | 82.4 | 60 - 120 | |
| Ethylene Oxide | ND | < 30 | | 41.7 | 56.2 | µg/g | 74.2 | 60 - 120 | |
| 2-Methylbutane | ND | < 200 | | 1400 | 1650 | µg/g | 84.8 | 60 - 120 | |
| Pentane | ND | < 200 | | 1410 | 1650 | µg/g | 85.5 | 60 - 120 | |
| Ethanol | ND | < 200 | | 1340 | 1660 | µg/g | 80.7 | 70 - 130 | |
| Ethyl Ether | ND | < 200 | | 1360 | 1630 | µg/g | 83.4 | 60 - 120 | |
| 2,2-Dimethylbutane | ND | < 30 | | 160 | 189 | µg/g | 84.7 | 60 - 120 | |
| Acetone | ND | < 200 | | 1370 | 1650 | µg/g | 83.0 | 60 - 120 | |
| 2-Propanol | ND | < 200 | | 1320 | 1650 | µg/g | 80.0 | 60 - 120 | |
| Ethyl Formate | ND | < 500 | | 1540 | 1610 | µg/g | 95.7 | 70 - 130 | |
| Acetonitrile | ND | < 100 | | 390 | 504 | µg/g | 77.4 | 60 - 120 | |
| Methyl Acetate | ND | < 500 | | 1700 | 1630 | µg/g | 104.3 | 70 - 130 | |
| 2,3-Dimethylbutane | ND | < 30 | | 127 | 174 | µg/g | 73.0 | 60 - 120 | |
| Dichloromethane | ND | < 60 | | 422 | 521 | µg/g | 81.0 | 60 - 120 | |
| 2-Methylpentane | ND | < 30 | | 164 | 187 | µg/g | 87.7 | 60 - 120 | |
| MTBE | ND | < 500 | | 1650 | 1600 | µg/g | 103.1 | 70 - 130 | |
| 3-Methylpentane | ND | < 30 | | 161 | 188 | µg/g | 85.6 | 60 - 120 | |
| Hexane | ND | < 30 | | 156 | 182 | µg/g | 85.7 | 60 - 120 | |
| 1-Propanol | ND | < 500 | | 1710 | 1610 | µg/g | 106.2 | 70 - 130 | |
| Methylethylketone | ND | < 500 | | 1670 | 1600 | µg/g | 104.4 | 70 - 130 | |
| Ethyl acetate | ND | < 200 | | 1300 | 1630 | µg/g | 79.8 | 60 - 120 | |
| 2-Butanol | ND | < 200 | | 1250 | 1630 | µg/g | 76.7 | 60 - 120 | |
| Tetrahydrofuran | ND | < 100 | | 398 | 506 | µg/g | 78.7 | 60 - 120 | |
| Cyclohexane | ND | < 200 | | 1300 | 1640 | µg/g | 79.3 | 60 - 120 | |
| 2-methyl-1-propanol | ND | < 500 | | 1640 | 1620 | µg/g | 101.2 | 70 - 130 | |
| Benzene | ND | < 1 | | 3.67 | 4.93 | µg/g | 74.4 | 60 - 120 | |
| Isopropyl Acetate | ND | < 200 | | 1260 | 1640 | µg/g | 76.8 | 60 - 120 | |
| Heptane | ND | < 200 | | 1280 | 1630 | µg/g | 78.5 | 60 - 120 | |
| 1-Butanol | ND | < 500 | | 1730 | 1600 | µg/g | 108.1 | 70 - 130 | |
| Propyl Acetate | ND | < 500 | | 1680 | 1620 | µg/g | 103.7 | 70 - 130 | |
| 1,4-Dioxane | ND | < 100 | | 351 | 493 | µg/g | 71.2 | 60 - 120 | |
| 2-Ethoxyethanol | ND | < 30 | | 127 | 171 | µg/g | 74.3 | 60 - 120 | |
| Methylisobutylketone | ND | < 500 | | 1720 | 1620 | µg/g | 106.2 | 70 - 130 | |
| 3-Methyl-1-butanol | ND | < 500 | | 1720 | 1610 | µg/g | 106.8 | 70 - 130 | |
| Ethylene Glycol | ND | < 200 | | 289 | 494 | µg/g | 58.5 | 60 - 120 | Q6 |
| Toluene | ND | < 100 | | 349 | 506 | µg/g | 69.0 | 60 - 120 | |
| Isobutyl Acetate | ND | < 500 | | 1840 | 1620 | µg/g | 113.6 | 70 - 130 | |
| 1-Pentanol | ND | < 500 | | 2050 | 1610 | µg/g | 127.3 | 70 - 130 | |
| Butyl Acetate | ND | < 500 | | 1720 | 1610 | µg/g | 106.8 | 70 - 130 | |
| Ethylbenzene | ND | < 200 | | 702 | 996 | µg/g | 70.5 | 60 - 120 | |
| m,p-Xylene | ND | < 200 | | 716 | 1010 | µg/g | 70.9 | 60 - 120 | |
| o-Xylene | ND | < 200 | | 702 | 979 | µg/g | 71.7 | 60 - 120 | |
| Cumene | ND | < 30 | | 139 | 188 | µg/g | 73.9 | 60 - 120 | |
| Anisole | ND | < 500 | | 1660 | 1610 | µg/g | 103.1 | 70 - 130 | |
| DMSO | ND | < 500 | | 1670 | 1600 | µg/g | 104.4 | 70 - 130 | |
| 1,2-dimethoxyethane | ND | < 50 | | 199 | 190 | µg/g | 104.7 | 70 - 130 | |
| Triethylamine | ND | < 500 | | 1650 | 1610 | µg/g | 102.5 | 70 - 130 | |
| N,N-dimethylformamide | ND | < 150 | | 520 | 496 | µg/g | 104.8 | 70 - 130 | |
| N,N-dimethylacetamide | ND | < 150 | | 506 | 483 | µg/g | 104.8 | 70 - 130 | |
| Pyridine | ND | < 50 | | 175 | 167 | µg/g | 104.8 | 70 - 130 | |
| 1,2-Dichloroethane | ND | < 1 | | 1.13 | 1 | µg/g | 113.0 | 70 - 130 | |
| Chloroform | ND | < 1 | | 1.15 | 1 | µg/g | 115.0 | 70 - 130 | |
| Trichloroethylene | ND | < 1 | | 1.19 | 1 | µg/g | 119.0 | 70 - 130 | |



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| QC - Sample Duplicate | | | Sample ID: 22-011013-0001 | | | | | |
|-----------------------|--------|-------------|---------------------------|-------|-----|--------|-------------|-------|
| 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 | |
| Methyl ethyl ketone | 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 | |
| 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 | |

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



12423 NE Whitaker Way
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503-254-1794



Report Number: 22-011232/D003.R000
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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. |