

Insect Repellent Blend

Sample ID: 2110CSALA7377.9582

Matrix: Other

Type: Other

Sample Size: 1 units

Batch Size:

Batch#:

Produced: N/A

Collected: 10/11/2021

Received: 10/11/2021

Completed: 11/01/2021

Client

Montana Biotic LLC

Lic. #

612 No 1st St Suite 2-177

Hamilton, Montana 59840



Summary

Pass

Not Tested

Total Cannabinoids

Pass

Pesticides

Pass

Residual Solvents

Pass

Microbials

Pass

Mycotoxins

Pass

Heavy Metals

NT

Moisture

Moisture Analyzer SOP-103

NT

Water Activity

Water Activity Meter SOP-102

Pass

Foreign Matter

 Visual Inspection SOP-600
 Date Tested: 10/12/2021

 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653



 Neya Jourabchian
 Laboratory Director
 11/01/2021



 Brandon Hill
 COA Review
 11/01/2021

Insect Repellent Blend

Sample ID: 2110CSALA7377.9582

Matrix: Other

Type: Other

Sample Size: 1 units

Batch Size:
Batch#:
Produced: N/A

Collected: 10/11/2021

Received: 10/11/2021

Completed: 11/01/2021

Client
Montana Biotic LLC
Lic. #

612 No 1st St Suite 2-177

Hamilton, Montana 59840

Pesticides

Pass

Testing method: LCMS & GCMS-SOP 301 and 302

| Analyte | LOD | LOQ | Limit | Results | Status | Analyte | LOD | LOQ | Limit | Results | Status |
|---------------------|--------|--------|--------|---------|--------|-------------------------|--------|--------|--------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | | | µg/g | µg/g | µg/g | µg/g | |
| Abamectin | 0.037 | 0.068 | 0.3 | ND | Pass | Fludioxonil | 0.05 | 0.078 | 30 | ND | Pass |
| Acephate | 0.035 | 0.078 | 5 | ND | Pass | Hexythiazox | 0.041 | 0.078 | 2 | ND | Pass |
| Acequinocyl | 0.033 | 0.078 | 4 | ND | Pass | Imazalil * | 0.047 | 0.078 | 0.047 | ND | Pass |
| Acetamiprid | 0.034 | 0.078 | 5 | ND | Pass | Imidacloprid | 0.033 | 0.078 | 3 | ND | Pass |
| Aldicarb * | 0.032 | 0.078 | 0.032 | ND | Pass | Kresoxim Methyl | 0.033 | 0.078 | 1 | ND | Pass |
| Azoxystrobin | 0.033 | 0.078 | 40 | ND | Pass | Malathion | 0.05 | 0.078 | 5 | ND | Pass |
| Bifenazate | 0.069 | 0.078 | 5 | ND | Pass | Metalaxyl | 0.036 | 0.078 | 15 | ND | Pass |
| Bifenthrin | 0.067 | 0.078 | 0.5 | ND | Pass | Methiocarb * | 0.05 | 0.078 | 0.05 | ND | Pass |
| Boscalid | 0.045 | 0.078 | 10 | ND | Pass | Methomyl | 0.04 | 0.078 | 0.1 | ND | Pass |
| Captan | 0.3188 | 0.625 | 5 | ND | Pass | Methyl Parathion * | 0.0387 | 0.0781 | 0.0387 | ND | Pass |
| Carbaryl | 0.04 | 0.078 | 0.5 | ND | Pass | Mevinphos * | 0.034 | 0.078 | 0.034 | ND | Pass |
| Carbofuran * | 0.034 | 0.078 | 0.034 | ND | Pass | Myclobutanil | 0.062 | 0.078 | 9 | ND | Pass |
| Chlorantraniliprole | 0.033 | 0.078 | 40 | ND | Pass | Naled | 0.052 | 0.078 | 0.5 | ND | Pass |
| Chlordane * | 0.0245 | 0.0781 | 0.0245 | ND | Pass | Oxamyl | 0.033 | 0.078 | 0.2 | ND | Pass |
| Chlorfenapyr * | 0.0178 | 0.0781 | 0.0178 | ND | Pass | Paclobutrazol * | 0.062 | 0.078 | 0.062 | ND | Pass |
| Chlorpyrifos * | 0.033 | 0.078 | 0.033 | ND | Pass | Pentachloronitrobenzene | 0.0358 | 0.0781 | 0.2 | ND | Pass |
| Clofentezine | 0.047 | 0.078 | 0.5 | ND | Pass | Permethrin | 0.05 | 0.078 | 20 | ND | Pass |
| Coumaphos * | 0.041 | 0.078 | 0.041 | ND | Pass | Phosmet | 0.033 | 0.078 | 0.2 | ND | Pass |
| Cyfluthrin | 0.148 | 0.156 | 1 | ND | Pass | Piperonyl Butoxide | 0.039 | 0.078 | 8 | ND | Pass |
| Cypermethrin | 0.079 | 0.156 | 1 | ND | Pass | Prallethrin | 0.041 | 0.078 | 0.4 | ND | Pass |
| Daminozide * | 0.043 | 0.078 | 0.043 | ND | Pass | Propiconazole | 0.04 | 0.078 | 20 | ND | Pass |
| DDVP * | 0.037 | 0.078 | 0.037 | ND | Pass | Propoxur * | 0.041 | 0.078 | 0.041 | ND | Pass |
| Diazinon | 0.031 | 0.078 | 0.2 | ND | Pass | Pyrethrins | 0.188 | 0.22 | 1 | ND | Pass |
| Dimethoate * | 0.028 | 0.078 | 0.028 | ND | Pass | Pyridaben | 0.059 | 0.078 | 3 | ND | Pass |
| Dimethomorph | 0.033 | 0.078 | 20 | ND | Pass | Spinetoram | 0.042 | 0.078 | 3 | ND | Pass |
| Ethoprophos * | 0.029 | 0.078 | 0.029 | ND | Pass | Spinosad | 0.038 | 0.079 | 3 | ND | Pass |
| Etofenprox * | 0.038 | 0.078 | 0.038 | ND | Pass | Spiromesifen | 0.038 | 0.078 | 12 | ND | Pass |
| Etoxazole | 0.034 | 0.078 | 1.5 | ND | Pass | Spirotetramat | 0.031 | 0.078 | 13 | ND | Pass |
| Fenhexamid | 0.072 | 0.078 | 10 | ND | Pass | Spiroxamine * | 0.031 | 0.078 | 0.031 | ND | Pass |
| Fenoxycarb * | 0.028 | 0.078 | 0.028 | ND | Pass | Tebuconazole | 0.034 | 0.078 | 2 | ND | Pass |
| Fenpyroximate | 0.025 | 0.078 | 2 | ND | Pass | Thiacloprid * | 0.033 | 0.078 | 0.033 | ND | Pass |
| Fipronil * | 0.057 | 0.078 | 0.057 | ND | Pass | Thiamethoxam | 0.039 | 0.078 | 4.5 | ND | Pass |
| Flonicamid | 0.043 | 0.078 | 2 | ND | Pass | Trifloxystrobin | 0.039 | 0.078 | 30 | ND | Pass |

Date Tested: 10/12/2021

* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653



 Neyajourabchian
 Laboratory Director
 11/01/2021



 Brandon Hill
 COA Review
 11/01/2021

The values reported pertain only to the product tested. R&D Sample Only. Tested as-is/received from client. Unless otherwise stated all Laboratory Quality Control (LQC) samples performed within specifications established by the BCC in 16 CCR section 5730. Sample tested per CALIFORNIA CODE OF REGULATIONS, TITLE 16, DIVISION 42. BUREAU OF CANNABIS CONTROL.

Insect Repellent Blend

Sample ID: 2110CSALA7377.9582

Matrix: Other

Type: Other

Sample Size: 1 units

Batch Size:

Batch#:

Produced: N/A

Collected: 10/11/2021

Received: 10/11/2021

Completed: 11/01/2021

Client

Montana Biotic LLC

Lic. #

612 No 1st St Suite 2-177

Hamilton, Montana 59840

Microbials

Pass

Testing method: PCR-SOP 401

| Analyte | Result | Status |
|-------------------------------|--------------|--------|
| Aspergillus flavus | Not Detected | Pass |
| Aspergillus fumigatus | Not Detected | Pass |
| Aspergillus niger | Not Detected | Pass |
| Aspergillus terreus | Not Detected | Pass |
| Salmonella | Not Detected | Pass |
| Shiga toxin-producing E. Coli | Not Detected | Pass |

Date Tested: 10/13/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

Mycotoxins

Pass

Testing method: LCMS-SOP 301

| Analyte | LOD | LOQ | Limit | Results | Status |
|------------------|-------|-------|-------|---------|--------|
| | µg/kg | µg/kg | µg/kg | µg/kg | |
| Aflatoxin B1 | 2.0 | 3.9 | | ND | Tested |
| Aflatoxin B2 | 3.0 | 3.9 | | ND | Tested |
| Aflatoxin G1 | 2.4 | 3.9 | | ND | Tested |
| Aflatoxin G2 | 3.1 | 3.9 | | ND | Tested |
| Total Aflatoxins | 10.5 | 15.6 | 20 | ND | Pass |
| Ochratoxin A | 6.4 | 15.5 | 20 | ND | Pass |

Date Tested: 10/13/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

Heavy Metals

Pass

Testing method: ICPMS-SOP 502

| Analyte | LOD | LOQ | Limit | Results | Status |
|---------|-------|------|-------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | |
| Arsenic | 0.005 | 0.05 | 1.5 | <LOQ | Pass |
| Cadmium | 0.003 | 0.05 | 0.5 | ND | Pass |
| Lead | 0.01 | 0.05 | 0.5 | <LOQ | Pass |
| Mercury | 0.002 | 0.05 | 3 | <LOQ | Pass |

Date Tested: 10/13/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653

 Neya Jourabchian
 Laboratory Director
 11/01/2021

 Brandon Hill
 COA Review
 11/01/2021

Insect Repellent Blend

Sample ID: 2110CSALA7377.9582

Matrix: Other

Type: Other

Sample Size: 1 units

Batch Size:

Batch#:

Produced: N/A

Collected: 10/11/2021

Received: 10/11/2021

Completed: 11/01/2021

Client

Montana Biotic LLC

Lic. #

612 No 1st St Suite 2-177

Hamilton, Montana 59840

Residual Solvents

Pass

Testing method: HSGCMS-SOP 202

| Analyte | LOD | LOQ | Limit | Results | Status |
|--------------------|-------|--------|-------|---------|--------|
| | µg/g | µg/g | µg/g | µg/g | |
| 1,2-Dichloroethane | 0.08 | 1.0 | 1 | ND | Pass |
| Acetone | 9.19 | 50.0 | 5000 | ND | Pass |
| Acetonitrile | 17.49 | 58.35 | 410 | ND | Pass |
| Benzene | 0.09 | 1.0 | 1 | ND | Pass |
| Butane | 35.32 | 117.8 | 5000 | ND | Pass |
| Chloroform | 0.21 | 1.0 | 1 | ND | Pass |
| Ethanol | 14.96 | 50.0 | 5000 | ND | Pass |
| Ethyl acetate | 12.8 | 50.0 | 5000 | ND | Pass |
| Ethylene Oxide | 0.3 | 1.0 | 1 | ND | Pass |
| Ethyl ether | 16.0 | 53.36 | 5000 | ND | Pass |
| Heptane | 42.11 | 140.48 | 5000 | ND | Pass |
| Isopropyl alcohol | 19.79 | 66.02 | 5000 | ND | Pass |
| Methanol | 149.0 | 497.01 | 3000 | ND | Pass |
| Methylene chloride | 0.11 | 1.0 | 1 | ND | Pass |
| Hexane | 33.99 | 113.37 | 290 | ND | Pass |
| Pentane | 28.08 | 93.67 | 5000 | ND | Pass |
| Propane | 42.44 | 141.57 | 5000 | ND | Pass |
| Toluene | 23.99 | 80.03 | 890 | ND | Pass |
| Trichloroethylene | 0.06 | 1.0 | 1 | ND | Pass |
| Total xylenes | 65.49 | 218.45 | 2170 | ND | Pass |

Date Tested: 10/12/2021

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653

 Neya Jourabchian
 Laboratory Director
 11/01/2021

 Brandon Hill
 COA Review
 11/01/2021