SDPharmLabs

PharmLabs San Diego Certificate of Analysis

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Laboratory note: The estimated concentration of the unknown peak in the sample is 7.38% | Currently PharmLobs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC is a different compound from the main (-)d8-THC cannobinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)d8-THC and d9-THC is problematic for the scientific community as a whole. PharmLobs believes the unidentified peak to be a combination of (+)d8-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be 4.154%.

CANX - Cannabinoids Analysis

Analyzed Aug 07, 2023 | Instrument HPLC-VWD | Method

The expanded Uncertainty of the Cannabinoid analysis is approximately \$\mathbf{I}.806\% at the 95\% Confidence Level

| Analyte | LOD mg/g | LOQ mg/g | Result % | Result mg/g |
|---|-------------|-------------|-------------|----------------|
| 11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV) | 0.013 | 0.041 | ND | ND |
| Cannabidiorcin (CBDO) | 0.002 | 0.007 | ND | ND |
| Abnormal Cannabidiorcin (a-CBDO) | 0.01 | 0.031 | ND | ND |
| (+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC) | 0.012 | 0.036 | ND | ND |
| 11-Hydroxy-∆8-Tetrahydrocannabinol (11-Hyd-∆8-THC) | 0.007 | 0.021 | ND | ND |
| Cannabidiolic Acid (CBDA) | 0.001 | 0.16 | ND | ND |
| Cannabigerol Acid (CBGA) | 0.001 | 0.16 | ND | ND |
| Cannabigerol (CBG) | 0.001 | 0.16 | ND | ND |
| Cannabidiol (CBD) | 0.001 | 0.16 | ND | ND |
| 1(S)-THD (s-THD) | 0.013 | 0.041 | ND | ND |
| 1(R)-THD (r-THD) | 0.025 | 0.075 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 0.001 | 0.16 | ND | ND |
| Δ8-tetrahydrocannabivarin (Δ8-THCV) | 0.021 | 0.064 | ND | ND |
| Cannabidihexol (CBDH) | 0.005 | 0.16 | ND | ND |
| Tetrahydrocannabutol (Δ9-THCB) | 0.013 | 0.038 | ND | ND |
| Cannabinol (CBN) | 0.001 | 0.16 | 1.06 | 10.64 |
| Cannabidiphorol (CBDP) | 0.015 | 0.047 | ND | ND |
| exo-THC (exo-THC) | 0.005 | 0.16 | ND | ND |
| Tetrahydrocannabinol (Δ9-THC) | 0.003 | 0.16 | UI | UI |
| Δ8-tetrahydrocannabinol (Δ8-THC) | 0.004 | 0.16 | 41.54 | 415.40 |
| (6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10) | 0.015 | 0.16 | ND | ND |
| Hexahydrocannabinol (S Isomer) (9s-HHC) | 0.017 | 0.16 | 13.87 | 138.72 |
| (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) | 0.007 | 0.16 | ND | ND |
| Hexahydrocannabinol (R Isomer) (9r-HHC) | 0.016 | 0.16 | 23.25 | 232.47 |
| Tetrahydrocannabinolic Acid (THCA) | 0.001 | 0.16 | ND | ND |
| Δ9-Tetrahydrocannabihexol (Δ9-THCH) | 0.024 | 0.071 | ND | ND |
| Cannabinol Acetate (CBNO) | 0.014 | 0.043 | ND | ND |
| Δ9-Tetrahydrocannabiphorol (Δ9-THCP) | 0.017 | 0.16 | 8.73 | 87.35 |
| Δ8-Tetrahydrocannabiphorol (Δ8-THCP) | 0.041 | 0.16 | ND | ND |
| Cannabicitran (CBT) | 0.005 | 0.16 | ND | ND |
| Δ8-THC-O-acetate (Δ8-THCO) | 0.076 | 0.16 | ND | ND |
| 9(S)-HHCP (s-HHCP) | 0.031 | 0.094 | ND | ND |
| Δ9-THC-O-acetate (Δ9-THCO) | 0.066 | 0.16 | ND | ND |
| 9(R)-HHCP (r-HHCP) | 0.026 | 0.079 | ND | ND |
| 9(S)-HHC-O-acetate (s-HHCO) | 0.005 | 0.16 | ND | ND |
| 9(R)-HHC-O-acetate (r-HHCO) | 0.008 | 0.025 | ND | ND |
| 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) | 0.067 | 0.204 | ND | ND |
| Δ9-THC methyl ether (Δ9-MeO-THC) | | | ND | ND |
| Total THC (THCa * 0.877 + Δ9THC) | | | ND | ND |
| Total THC + \triangle 8THC + \triangle 10THC (THCa * 0.877 + \triangle 9THC + \triangle 8THC + \triangle 10THC) | | | 41.54 | 415.40 |
| Total CBD (CBDa * 0.877 + CBD) | | | ND | ND |
| Total CBG (CBGa * 0.877 + CBG) | | | ND | ND |
| Total HHC (9r-HHC + 9s-HHC) | | | 37.12 | 371.19 |
| Total Cannabinoids | | | 88.46 | 884.58 |
| | | | | |

Sample photography



HME - Heavy Metals Analysis

Analyzed Aug 04, 2023 | Instrument ICP/MSMS | Method SOP-005

| Analyzed Aug 04, 2023 instrument for / his his method 301 00. | • | | | |
|---|-------------|-------------|----------------|---------------|
| Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
| Arsenic (As) | 0.0009 | 0.0027 | 0.00 | 1.5 |
| Cadmium (Cd) | 0.0005 | 0.0015 | ND | 0.5 |
| Mercury (Hg) | 0.0058 | 0.0174 | ND | 3 |
| Lead (Pb) | 0.0006 | 0.0018 | 0.00 | 0.5 |
| Nickel (Ni) | 6 0e-05 | 0.0002 | ND | |

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Operation
LOQ Detected
SULOL Above upper limit of linearity
CFU/g Colony Forming Units per 1 gram
TNTC Too Numerous to Count





Brandon Starr

Authorized Signature





MIBIG - Microbial Analysis

Analyzed Aug 07, 2023 | Instrument qPCR and/or Plating | Method SOP-007

| Analyte | Result CFU/g | Limit | Analyte | Result CFU/g | Limit |
|--|-----------------|---------------|---------------------|-----------------|---------------|
| Shiga toxin-producing Escherichia Coli | ND | ND per 1 gram | Salmonella spp. | ND | ND per 1 gram |
| Aspergillus fumigatus | ND | ND per 1 gram | Aspergillus flavus | ND | ND per 1 gram |
| Aspergillus niger | ND | ND per 1 gram | Aspergillus terreus | ND | ND per 1 gram |

MTO - Mycotoxin Analysis

Analyzed Aug 07, 2023 | Instrument LC/MSMS | Method SOP-004

| Analyte | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg | Analyte | LOD ug/kg | LOQ ug/kg | Result ug/kg (ppb) | Limit ug/kg |
|--------------|--------------|--------------|-----------------------|----------------|------------------|--------------|--------------|-----------------------|----------------|
| Ochratoxin A | 5.0 | 20.0 | ND | 20 | Aflatoxin B1 | 2.5 | 5.0 | ND | - |
| Aflatoxin B2 | 2.5 | 5.0 | ND | - | Aflatoxin G1 | 2.5 | 5.0 | ND | - |
| Aflatoxin G2 | 2.5 | 5.0 | ND | - | Total Aflatoxins | 10.0 | 20.0 | ND | 20 |

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
4.0Q Detected
VULOL Above upper limit of linearity
CFU/g Colonyl Forming Units per 1 gram
TNTC Too Numerous to Count





Authorized Signature

Brandon Starr



PES - Pesticides Analysis

Analyzed Aug 07, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

| Dimethodate | Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|--|-------------------------|-------------|-------------|-------------|---------------|-----------------------|-------------|-------------|-------------|---------------|
| Fenougraft 0.01 0.02 ND 0.01 Thicchlogrid 0.01 0.02 ND 0.01 Dominoide 0.01 0.03 ND 0.01 Dichlorves 0.02 0.07 ND 0.02 ND 0.01 Dichlorves 0.02 0.07 ND 0.02 ND 0.01 Dichlorves 0.01 0.03 ND 0.01 Dichlorves 0.01 0.03 ND 0.01 Dichlorves 0.01 0.03 ND 0.01 Dichlorves 0.01 0.02 ND 0.01 Dichlorves 0.01 | Aldicarb | 0.0078 | 0.02 | ND | 0.0078 | Carbofuran | 0.01 | 0.02 | ND | 0.01 |
| Deminoside 0.01 0.05 ND 0.01 Dichlovas 0.02 0.07 ND 0.02 ND 0.01 Invazili 0.02 ND 0.01 ND 0.02 ND 0.01 Spirosomine 0.01 0.02 ND 0.01 ND 0.01 Coumphos 0.01 0.02 ND 0.01 Spirosomine 0.01 0.01 0.01 ND 0.01 Paclobutrazal 0.01 0.03 ND 0.01 Chlorpyrifos 0.01 0.02 ND 0.01 ND 0.01 Ethoprophos (Prophas) 0.01 0.02 ND 0.01 ND 0.01 Chlorpyrifos 0.01 0.02 ND 0.01 ND 0.01 Chlordene 0.04 0.1 ND 0.02 ND 0.01 Chlordene 0.04 0.1 ND 0.02 ND 0.01 Chlordene 0.04 0.1 ND 0.02 ND 0.02 ND 0.02 ND 0.03 ND 0.02 ND 0.03 ND 0.02 ND 0.03 ND 0.02 ND 0.03 ND | Dimethoate | 0.01 | 0.02 | ND | 0.01 | Etofenprox | 0.02 | 0.1 | ND | 0.02 |
| Imazeall | Fenoxycarb | 0.01 | 0.02 | ND | 0.01 | Thiachloprid | 0.01 | 0.02 | ND | 0.01 |
| Spiroxamine 0.01 0.02 ND 0.01 Coumaphos 0.01 0.02 ND 0.01 Filipronial 0.01 0.01 ND 0.01 Paccibutazol 0.01 0.03 ND 0.01 Chlorguffos 0.01 0.02 ND 0.01 Chlorguffos 0.01 0.02 ND 0.01 Chlorguffos 0.01 0.02 ND 0.01 Chlordufee 0.04 0.1 ND 0.04 Chlordufee 0.04 0.1 ND 0.05 Chlordufee 0.04 0.1 ND 0.02 Chlordufee 0.05 ND 0.1 Chlo | Daminozide | 0.01 | 0.03 | ND | 0.01 | Dichlorvos | 0.02 | 0.07 | ND | 0.02 |
| Figronia 0.01 | Imazalil | 0.02 | 0.07 | ND | 0.02 | Methiocarb | 0.01 | 0.02 | ND | 0.01 |
| Chlorpyrifos | Spiroxamine | 0.01 | 0.02 | ND | 0.01 | Coumaphos | 0.01 | 0.02 | ND | 0.01 |
| Baygon (Propoxur) 0.01 0.02 ND 0.01 Chlordene 0.04 0.1 ND 0.04 Clolforfengpyr 0.03 0.1 ND 0.02 0.1 ND 0.02 Mevinphos 0.03 0.08 ND 0.03 Abamectin 0.03 0.08 ND 0.1 Acephate 0.02 0.05 ND 0.1 Acetamiprid 0.01 0.05 ND 0.1 Acephate 0.02 0.05 ND 0.1 Acetamiprid 0.01 0.05 ND 0.1 Bifenthrin 0.02 0.35 ND 3 Boscalid 0.01 0.04 ND 0.1 Clorenteraline 0.01 0.02 ND 0.5 Chloratranillprole 0.01 0.04 ND 0.1 Clorentezine 0.01 0.02 ND 0.5 Chloratranillprole 0.01 0.02 ND 0.1 Clorentezine 0.01 0.02 ND | Fipronil | 0.01 | 0.1 | ND | 0.01 | Paclobutrazol | 0.01 | 0.03 | ND | 0.01 |
| Chlorfenapyr 0.03 0.1 ND 0.03 Methyl Parathion 0.02 0.1 ND 0.02 ND 0.03 ND 0.0 | Chlorpyrifos | 0.01 | 0.04 | ND | 0.01 | Ethoprophos (Prophos) | 0.01 | 0.02 | ND | 0.01 |
| Mevinphos 0.03 0.08 ND 0.03 Abamectin 0.03 0.08 ND 0.1 Accephate 0.02 0.05 ND 0.1 Acetamiprid 0.01 0.05 ND 0.1 Azoxystrobin 0.01 0.02 0.35 ND 0.1 Bifenozate 0.01 0.05 ND 0.1 Carbaryl 0.01 0.02 ND 0.5 Chlorantroniliprole 0.01 0.02 ND 0.1 Clofentezine 0.01 0.03 ND 0.1 Diazion 0.01 0.02 ND 0.1 Einethomorph 0.02 0.06 ND 2 Etoxazole 0.01 0.05 ND 0.1 Fengyroximate 0.02 0.01 ND 0.1 Floricamid 0.01 0.05 ND 0.1 Fluidosonil 0.01 0.05 ND 0.1 Heysthiczex 0.01 0.03 ND 0.1 Iludidacloprid <t< td=""><td>Baygon (Propoxur)</td><td>0.01</td><td>0.02</td><td>ND</td><td>0.01</td><td></td><td>0.04</td><td>0.1</td><td>ND</td><td>0.04</td></t<> | Baygon (Propoxur) | 0.01 | 0.02 | ND | 0.01 | | 0.04 | 0.1 | ND | 0.04 |
| Acephate 0.02 0.05 ND 0.1 Acetamiprid 0.01 0.05 ND 0.1 Azoxystrolin 0.01 0.02 NB 0.1 Bifenozate 0.01 0.05 ND 0.1 Carbaryl 0.01 0.02 ND 0.5 Chlorantraniliprole 0.01 0.04 ND 10 Clafentezine 0.01 0.03 ND 0.1 Diazinon 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.06 ND 2 Etoxazole 0.01 0.02 ND 0.1 Fengyroximate 0.02 0.1 ND 0.1 Heystholazox 0.01 0.02 ND 0.1 Inidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Inidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Indidacloprid 0.01 | Chlorfenapyr | 0.03 | 0.1 | ND | 0.03 | Methyl Parathion | 0.02 | 0.1 | ND | 0.02 |
| Azoxystrobin Q01 Q02 ND Q1 Bifenazate Q01 Q05 ND Q1 Bifenthrin Q02 Q05 ND Q5 ND Q01 Q01 Q03 ND Q1 Carbaryl Q01 Q02 Q05 ND Q05 Chlorentralliprole Q01 Q02 ND Q1 Clofentezine Q01 Q03 ND Q1 Dizarion Q01 Q02 ND Q1 Dimethomorph Q02 Q06 ND Q1 Etoxazole Q01 Q05 ND Q1 Feuryoximate Q02 Q1 ND Q1 Hexythiazax Q01 Q02 ND Q1 Fludioxonil Q01 Q05 ND Q1 Hexythiazax Q01 Q02 ND Q1 Iludioxonil Q01 Q05 ND Q1 Hexythiazax Q01 Q02 ND Q1 Iludioxini Q01 Q05 | Mevinphos | 0.03 | 0.08 | ND | 0.03 | Abamectin | 0.03 | 0.08 | ND | 0.1 |
| Bifenthrin 0.02 0.35 ND 3 Boscalid 0.01 0.03 ND 0.1 Carbaryl 0.01 0.02 ND 0.5 Chlorantraniliprole 0.01 0.04 ND 10 Clofentezine 0.01 0.03 ND 0.1 Diozinon 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.06 ND 2 Etoxazole 0.01 0.05 ND 0.1 Fenpyroximate 0.02 0.1 ND 0.1 Flonicamid 0.01 0.05 ND 0.1 Fludioxonil 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Imidaclopirid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Molathion 0.01 0.05 ND 0.5 Metalaxyl 0.01 0.03 ND 0.1 Molathion 0.01 0.02< | Acephate | 0.02 | 0.05 | ND | 0.1 | Acetamiprid | 0.01 | 0.05 | ND | 0.1 |
| Carbaryl 0.01 0.02 ND 0.5 Chlorantraniliprole 0.01 0.04 ND 10 Clofentezine 0.01 0.03 ND 0.1 Diazinon 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.06 ND 2 E toxazole 0.01 0.05 ND 0.1 Fengyroximate 0.02 0.1 ND 0.1 Floricamid 0.01 0.02 ND 0.1 Fludioxoril 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Iludioxoril 0.01 0.05 ND 0.5 Methorm-methyl 0.01 0.03 ND 0.1 Malathion 0.01 0.05 ND 0.5 Metalaxyl 0.01 0.02 ND 0.1 Methoryl 0.02 0.05 ND 0.1 Myclobutanil 0.02 0.07 ND 0.1 Noled 0.01 0.02< | Azoxystrobin | | 0.02 | ND | 0.1 | Bifenazate | 0.01 | 0.05 | ND | 0.1 |
| Clofentezine | Bifenthrin | 0.02 | 0.35 | ND | 3 | Boscalid | 0.01 | 0.03 | ND | 0.1 |
| Dimethomorph 0.02 0.06 ND 2 Etoxazole 0.01 0.05 ND 0.1 Fenpyroximate 0.02 0.1 ND 0.1 Flonicamid 0.01 0.02 ND 0.1 Ifudioxonil 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Imidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Malathion 0.01 0.05 ND 0.5 Metalaxyl 0.01 0.02 ND 0.1 Methomyl 0.02 0.05 ND 0.5 Metalaxyl 0.01 0.02 ND 0.1 Methomyl 0.02 0.05 ND 0.1 Myclobutanil 0.02 0.07 ND 0.1 Noled 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.1 Plemethrin 0.01 0.02 < | Carbaryl | | 0.02 | ND | 0.5 | Chlorantraniliprole | 0.01 | 0.04 | ND | 10 |
| Fengyroximate 0.02 0.1 ND 0.1 Flonicamid 0.01 0.02 ND 0.1 Fludioxonil 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Indiactoprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Matothion 0.01 0.05 ND 0.5 Metladayl 0.01 0.02 ND 2 Methomyl 0.02 0.05 ND 1 Myclobutonil 0.02 0.07 ND 0.1 Noled 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.5 Permethrin 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.1 Piperonyl Butoxide 0.02 0.06 ND 3 Propiconazole 0.03 0.08 ND 0.1 Piperonyl Butoxide 0.02 0.05 </td <td>Clofentezine</td> <td></td> <td>0.03</td> <td>ND</td> <td>0.1</td> <td>Diazinon</td> <td>0.01</td> <td>0.02</td> <td>ND</td> <td>0.1</td> | Clofentezine | | 0.03 | ND | 0.1 | Diazinon | 0.01 | 0.02 | ND | 0.1 |
| Fludioxonil 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Imidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.05 ND 0.2 ND 0.2 ND 0.2 ND 0.2 ND 0.2 MEthomyl 0.01 0.02 ND 0.2 METhomyl 0.01 0.02 ND 0.1 Myclobutanil 0.02 0.07 ND 0.1 Noled 0.01 0.02 ND 0.1 Oxamyl 0.02 0.06 ND 0.1 Oxamyl 0.02 ND 0.1 Oxamyl | Dimethomorph | 0.02 | 0.06 | ND | 2 | Etoxazole | 0.01 | 0.05 | ND | 0.1 |
| Imidacloprid 0.01 | Fenpyroximate | | | ND | 0.1 | Flonicamid | | 0.02 | ND | 0.1 |
| Malathion 0.01 0.05 ND 0.5 Metalaxyl 0.01 0.02 ND 2 Methomyl 0.02 0.05 ND 1 Myclobutanil 0.02 0.07 ND 0.1 Noled 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.5 Permethrin 0.01 0.02 ND 0.5 Phosmet 0.01 0.02 ND 0.1 Piperonyl Butoxide 0.02 0.06 ND 3 Propiconazole 0.03 0.08 ND 0.1 Prollethrin 0.02 0.05 ND 0.1 Pyrethrin 0.03 0.08 ND 0.1 Prollethrin 0.02 0.05 ND 0.1 Pyrethrin 0.03 0.08 ND 0.1 Pyridaben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spirosetramat 0.01 0.02 <t< td=""><td>Fludioxonil</td><td>0.01</td><td>0.05</td><td>ND</td><td>0.1</td><td>Hexythiazox</td><td>0.01</td><td>0.03</td><td>ND</td><td>0.1</td></t<> | Fludioxonil | 0.01 | 0.05 | ND | 0.1 | Hexythiazox | 0.01 | 0.03 | ND | 0.1 |
| Methomyl 0.02 0.05 ND 1 Myclobutanil 0.02 0.07 ND 0.1 Noled 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.5 Permethrin 0.01 0.02 ND 0.5 Phosmet 0.01 0.02 ND 0.1 Pjeronyl Butoxide 0.02 0.06 ND 3 Propiconazole 0.03 0.08 ND 0.1 Prollethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.41 ND 0.5 Pyrlidoben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 Spinosad A 0.01 0.02 ND 0.1 Spirosetramat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiamethoxam 0.01 0.02 | Imidacloprid | | | | | Kresoxim-methyl | | | | 0.1 |
| Noled 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.5 Permethrin 0.01 0.02 ND 0.5 Phosmet 0.01 0.02 ND 0.1 Pipleronyl Butoxide 0.02 0.06 ND 3 Propiconazole 0.03 0.08 ND 0.1 Prollethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.41 ND 0.5 Pyridoben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Spinomesifen 0.02 0.06 ND 0.1 Spirotetramat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiamethoxam 0.01 0.02 ND 0.1 Captro 0.01 0.02 ND 0.1 Acequinocyl 0.02 0.09 | Malathion | | 0.05 | ND | 0.5 | Metalaxyl | | | ND | 2 |
| Permethrin 0.01 0.02 ND 0.5 Phosmet 0.01 0.02 ND 0.1 Piperonyl Butoxide 0.02 0.06 ND 3 Propiconazole 0.03 0.08 ND 0.1 Prollethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.41 ND 0.5 Pyridaben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 Spinosesifen 0.02 0.06 ND 0.1 Spirotetranat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiamethoxam 0.01 0.02 ND 0.5 Trifloxystrobin 0.01 0.02 ND 0.1 Acequincyl 0.02 0.09 ND 0.1 Captan 0.01 0.02 ND 0.7 Cypermethrin 0.02 | Methomyl | 0.02 | 0.05 | ND | 1 | Myclobutanil | 0.02 | 0.07 | ND | 0.1 |
| Piperonyl Butoxide 0.02 0.06 ND 3 Propiconazole 0.03 0.08 ND 0.1 Prollethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.41 ND 0.5 Pyriddben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 Spiromesifen 0.02 0.06 ND 0.1 Spirotetramat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiomethoxam 0.01 0.02 ND 0.5 Tiffoxystrobin 0.01 0.02 ND 0.1 Acequincyl 0.02 0.09 ND 0.1 Captra 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.07 ND 0.1 Spinetoram J.L 0.02 0.07 ND 0.1 | Naled | 0.01 | | ND | 0.1 | Oxamyl | 0.01 | 0.02 | ND | 0.5 |
| Prallethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.41 ND 0.5 Pyridaben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 Spiromesifen 0.02 0.06 ND 0.1 Spirotetramat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiamethoxam 0.01 0.02 ND 5 Trifloxystrobin 0.01 0.02 ND 0.1 Acequinocyl 0.02 0.09 ND 0.1 Captan 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.1 ND 1 Cyfluthrin 0.04 0.1 ND 0.2 Fenhexamid 0.02 0.07 ND 0.1 Spinotetram J,L 0.02 0.07 ND 0.1 | Permethrin | 0.01 | 0.02 | ND | 0.5 | Phosmet | 0.01 | 0.02 | ND | 0.1 |
| Pyridaben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 Spinoseifen 0.02 0.06 ND 0.1 Spirotetrandt 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiamethoxam 0.01 0.02 ND 5 Trifloxystrobin 0.01 0.02 ND 0.1 Acequincyl 0.02 0.09 ND 0.1 Captan 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.1 ND 1 Cyfluthrin 0.04 0.1 ND 0.2 Fenhexamid 0.02 0.07 ND 0.1 Spinetoram J.L 0.02 0.07 ND 0.1 | Piperonyl Butoxide | | 0.06 | ND | 3 | Propiconazole | | 0.08 | ND | 0.1 |
| Spinosad D 0.01 0.05 ND 0.1 Spiromesifen 0.02 0.06 ND 0.1 Spirotetromat 0.01 0.02 ND 0.1 Tebuconozole 0.01 0.02 ND 0.1 Inliamethoxam 0.01 0.02 ND 5 Triflosystrobin 0.01 0.02 ND 0.1 Acequincyl 0.02 0.09 ND 0.1 Captan 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.1 ND 1 Cyfluthrin 0.04 0.1 ND 2 Fenhexamid 0.02 0.07 ND 0.1 Spinetoran J.L 0.02 0.07 ND 0.1 | Prallethrin | 0.02 | 0.05 | ND | 0.1 | Pyrethrin | 0.05 | 0.41 | ND | 0.5 |
| Spirotetramat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiomethoxam 0.01 0.02 ND 5 Trifloxystrobin 0.01 0.02 ND 0.1 Acequinocyl 0.02 0.09 ND 0.1 Capton 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.1 ND 1 Cyfluthrin 0.04 0.1 ND 2 Fenhexamid 0.02 0.07 ND 0.1 Spinetoram J,L 0.02 0.07 ND 0.1 | Pyridaben | 0.02 | 0.07 | ND | 0.1 | Spinosad A | 0.01 | 0.05 | ND | 0.1 |
| Thiamethoxam 0.01 0.02 ND 5 Trifloxystrobin 0.01 0.02 ND 0.1 | Spinosad D | 0.01 | 0.05 | ND | 0.1 | Spiromesifen | 0.02 | 0.06 | ND | 0.1 |
| Acequinocyl 0.02 0.09 ND 0.1 Capton 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.1 ND 1 Cyfluthrin 0.04 0.1 ND 2 Fenhexamid 0.02 0.07 ND 0.1 Spinetoram J,L 0.02 0.07 ND 0.1 | Spirotetramat | 0.01 | 0.02 | ND | 0.1 | Tebuconazole | 0.01 | 0.02 | ND | 0.1 |
| Cypermethrin 0.02 0.1 ND 1 Cyfluthrin 0.04 0.1 ND 2 Fenhexamid 0.02 0.07 ND 0.1 Spinetoram J,L 0.02 0.07 ND 0.1 | Thiamethoxam | 0.01 | 0.02 | ND | 5 | Trifloxystrobin | 0.01 | 0.02 | ND | 0.1 |
| Fenhexamid 0.02 0.07 ND 0.1 Spinetoram J,L 0.02 0.07 ND 0.1 | Acequinocyl | 0.02 | 0.09 | ND | 0.1 | Captan | 0.01 | 0.02 | ND | 0.7 |
| | Cypermethrin | 0.02 | 0.1 | ND | 1 | Cyfluthrin | 0.04 | 0.1 | ND | 2 |
| Pentachloronitrobenzene 0.01 0.1 ND 0.1 | Fenhexamid | 0.02 | 0.07 | ND | 0.1 | Spinetoram J,L | 0.02 | 0.07 | ND | 0.1 |
| | Pentachloronitrobenzene | 0.01 | 0.1 | ND | 0.1 | | | | | |

RES - Residual Solvents Analysis

Analyzed Aug 07, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

| Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g | Analyte | LOD ug/g | LOQ ug/g | Result ug/g | Limit ug/g |
|----------------------------|-------------|-------------|----------------|---------------|------------------------------|-------------|-------------|----------------|---------------|
| Propane (Prop) | 0.4 | 40.0 | ND | | Butane (But) | 0.4 | 40.0 | ND | |
| Methanol (Metha) | 0.4 | 40.0 | ND | | Ethylene Oxide (EthOx) | 0.4 | 0.8 | ND | |
| Pentane (Pen) | 0.4 | 40.0 | ND | | Ethanol (Ethan) | 0.4 | 40.0 | ND | |
| Ethyl Ether (EthEt) | 0.4 | 40.0 | ND | | Acetone (Acet) | 0.4 | 40.0 | ND | |
| Isopropanol (2-Pro) | 0.4 | 40.0 | ND | | Acetonitrile (Acetonit) | 0.4 | 40.0 | ND | |
| Methylene Chloride (MetCh) | 0.4 | 0.8 | ND | | Hexane (Hex) | 0.4 | 40.0 | ND | |
| Ethyl Acetate (EthAc) | 0.4 | 40.0 | ND | | Chloroform (Clo) | 0.4 | 0.8 | ND | |
| Benzene (Ben) | 0.4 | 0.8 | ND | | 1-2-Dichloroethane (12-Dich) | 0.4 | 0.8 | ND | |
| Heptane (Hep) | 0.4 | 40.0 | ND | | Trichloroethylene (TriClEth) | 0.4 | 0.8 | ND | |
| Toluene (Toluene) | 0.4 | 40.0 | ND | | Xulenes (Xul) | 0.4 | 40.0 | ND | |

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Aug 04, 2023 | Instrument Microscope | Method SOP-010

| Analyte / Limit | Result | Analyte / Limit | Result |
|---|--------|--|--------|
| > 1/4 of the total sample area covered by sand, soil, cinders, or dirt | ND | > 1/4 of the total sample area covered by mold | ND |
| > 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3a | ND | > 1/4 of the total sample area covered by an imbedded foreign material | ND |

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
<LOQ Detected
JULQL Above upper limit of linearity
CFU/g Colonyl porming Units per 1 gram
TNTC Too Numerous to Count





Authorized Signature

Brandon Starr

