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PharmLabs San Diego Certificate of Analysis

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Sample Kruz Blueberry Kush 1/2G

Sample ID SD230725-066 (8164	47)	Matrix Flower (Inhalable Cannabis Good)	
Tested for Kruz			
Sampled -	Received Jul 25, 2023	Reported Sep 01, 2023	
Analyses executed FP-IO20, Q	ARUSH		

Laboratory note: The estimated concentration of the unknown peak in the sample is 1.78% | Currently PharmLabs 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 (+)8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC, (+)d8-THC is a different compound from the main (-)d8-THC canabinaid 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 and d9-THC is problematic for the scientific community as a whole. PharmLabs 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: 11.50%

CANX - Cannabinoids Analysis

Analyzed Jul 28, 2023 | Instrument HPLC-VWD | Method

The expanded Uncertainty of the Cannabinoid analysis is approximately **#.81%** at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy-∆8-Tetrahydrocannabivarin (11-Hyd-∆8-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	6.98	69.76
Cannabigerol Acid (CBGA)	0.001	0.16	2.07	20.68
Cannabigerol (CBG)	0.001	0.16	0.29	2.92
Cannabidiol (CBD)	0.001	0.16	1.03	10.34
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	4.53	45.28
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
Δ 8-tetrahydrocannabinol (Δ 8-THC)	0.004	0.16	11.50	115.00
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	0.56	5.63
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	0.86	8.58
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	21.42	214.21
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	ND	ND
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
Total THC (THCa * 0.877 + Δ9THC)			18.79	187.87
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			30.29	302.87
Total CBD (CBDa * 0.877 + CBD)			7.15	71.52
Total CBG (CBGa * 0.877 + CBG)			2.11	21.05
Total HHC (9r-HHC + 9s-HHC)			1.42	14.21
Total Cannabinoids			45.49	454.93



*Dry Weight %

HME - Heavy Metals Analysis

Analyzed Jul 28, 2023 | Instrument ICP/MSMS | Method SOP-005

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0009	0.0027	0.15	1.5
Cadmium (Cd)	0.0005	0.0015	0.06	0.5
Mercury (Hg)	0.0058	0.0174	0.00	3
Lead (Pb)	0.0006	0.0018	0.11	0.5
Nickel (Ni)	6.0e-05	0.0002	NT	

UI Unidentified ND Not Detected N/A Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Otection <LOQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q Colong Forming Units per 1 gram TNTC Too Numerous to Count



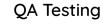


Authorized Signature

Brandon Starr



Brandon Starr, Lab Manager Fri, 01 Sep 2023 17:16:46 -0700





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QA Testing

MIBIG - Microbial Analysis

Analyzed Jul 27, 2023 | Instrument qPCR and/or Plating | Method SOP-007

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

MTO - Mycotoxin Analysis

Analyzed Jul 26, 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 NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected AUQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count





Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Fri, 01 Sep 2023 17:16:46 -0700



PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Acc. L17-427-1 This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "os received" basis, unless indicated otherwise. When a Pass/Fail situatius is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or including the ported at the certainticate of analysis. Measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly counted, state or including the ported on the certainty is not included in the Pass/Fail evaluation unless explicitly counted, state or including the ported on the certainty is not included in the Pass/Fail evaluation unless explicitly counted, state or including the opticated on the pass/Fail evaluation unless explicitly counted is state in the ported on the certainty is not included in the Pass/Fail evaluation unless explicitly can be appredixed to be in accordance with federal on the ported on the certainty is not included in the Pass/Fail evaluation unless explicitly can be appredixed to be in accordance.

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QA Testing

PES - Pesticides Analysis

Analyzed Jul 28, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

Dimethorate0.010.02ND0.01Etofenprox0.020.010.02ND0.02Dominoade0.010.03ND0.01Dichlorvos0.020.07ND0.02Sprosomine0.010.02ND0.02MD0.010.02ND0.01Sprosomine0.010.02ND0.01Pacloburcaci0.010.02ND0.01Sprosomine0.010.02ND0.01Pacloburcaci0.010.02ND0.01Shorponty/Forsomy0.010.04ND0.01Pacloburcaci0.010.02ND0.01Shorponty/Forsomy0.010.03ND0.01Pacloburcaci0.010.02ND0.01Chordone0.010.02ND0.01Pacloburcaci0.010.02ND0.01Chordone0.010.03ND0.01Pacloburcaci0.010.02ND0.01Chordone0.010.02ND0.01Abarnectin0.010.05ND0.01Acogutzotin0.020.05ND0.1Abarnectin0.010.05ND0.01Bifendrin0.020.03ND0.1Bifenzati0.010.03ND0.01Chordone0.010.03ND0.01Bifenzati0.010.02ND0.01Bifendrin0.020.03ND0.01Bifenzati0.010	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
Fenosycrah 0.0 0.02 ND 0.01 Thicchpirpid 0.01 0.02 0.01 0.01 Imazolli 0.0 0.07 ND 0.02 Methocarb 0.01 0.02 ND 0.01 Sprosamine 0.01 0.02 ND 0.01 Coumoplos 0.01 0.02 ND 0.01 Giorgurios 0.01 0.01 ND 0.01 Echorophos (Prophos) 0.01 0.02 ND 0.01 Baigon (Propoxur) 0.01 0.02 ND 0.01 Echorophos (Prophos) 0.02 ND 0.01 Baigon (Propoxur) 0.01 0.02 ND 0.01 Echorophos (Prophos) 0.02 ND 0.01 Baigon (Propoxur) 0.03 0.06 ND 0.03 Aberominida 0.03 0.06 ND 0.01 Echorophos (Prophos) 0.01 0.03 ND 0.01 Baigon (Propoxur) 0.02 0.03 ND 0.01 Aberominida 0.03	Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dominovale 0.01 0.03 ND 0.01 Delevasion 0.02 0.07 ND 0.02 Spirosonine 0.01 0.02 ND 0.01 Methicarb 0.01 0.02 ND 0.01 Spirosonine 0.01 0.02 ND 0.01 Pacobabrrazel 0.01 0.02 ND 0.01 Spirosonine 0.01 0.02 ND 0.01 Pacobabrrazel 0.01 0.02 ND 0.01 Chorpurfos 0.01 0.02 ND 0.01 Ethographos 0.01 0.02 ND 0.02 Meinphos 0.03 0.08 ND 0.03 Aberetin 0.03 0.08 ND 0.1 Acceptote 0.02 0.03 ND 0.1 Accenting 0.01 0.03 ND 0.1 Striptoh 0.01 0.02 ND 0.1 Bercarde 0.01 0.03 ND 0.1 Striptoh 0.01 0.02<	Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Imazelli 0.02 0.07 ND 0.02 Methicarb 0.01 0.02 ND 0.01 Spiraxamine 0.01 0.02 ND 0.01 Camanphas 0.01 0.02 ND 0.01 Spiraxamine 0.01 0.01 0.01 Pachobutrazol 0.01 0.02 ND 0.01 Spiravamine 0.01 0.02 ND 0.01 Ethoprophos (Prophos) 0.01 0.02 ND 0.01 Spiravamine 0.01 0.02 ND 0.01 Ethoprophos (Prophos) 0.01 0.02 ND 0.01 Spiravamine 0.02 0.03 0.01 Chioranche 0.02 0.01 Acetamiprid 0.02 0.01 Acetamiprid 0.02 0.01 0.02 ND 0.01 Acetamiprid 0.01 0.05 ND 0.01 Acontarian 0.02 0.03 ND 0.1 Breazole 0.01 0.03 ND 0.01 Acontarian	Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Spiroxnine 0.0 0.0 Coumphos 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Chorpurfos 0.01 0.04 ND 0.01 Ethoprophos (Prophos) 0.01 0.02 ND 0.01 Chorpurfos 0.01 0.02 ND 0.01 Ethoprophos (Prophos) 0.01 0.02 ND 0.01 Chorfenepurfos 0.01 0.02 ND 0.03 Methyl Parathion 0.02 0.01 ND 0.02 Methylphos 0.03 0.03 Methyl Parathion 0.03 Abametin 0.03 Abametin 0.03 0.05 ND 0.1 Acceptate 0.02 0.05 ND 0.1 Abametin 0.01 0.05 ND 0.1 Acceptate 0.01 0.02 ND 0.1 Abametin 0.01 0.03 ND 0.1 Acceptate 0.01 0.02 ND 0.1 Bercating 0.01 0.03 ND	Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Pronli 0.0 0.0 ND 0.01 Packburrazel 0.01 0.03 ND 0.01 Chlorpyrifos 0.01 0.02 ND 0.01 Ethoprophos (Propox) 0.01 0.02 ND 0.01 Chlorfengyr 0.03 0.01 0.02 ND 0.01 Methyl Parchtoin 0.02 0.11 ND 0.02 Chlorfengyr 0.03 0.03 0.04 ND 0.03 Aberna 0.03 0.08 ND 0.03 Accephote 0.02 0.05 ND 0.1 Actermiprid 0.01 0.05 ND 0.1 Accephote 0.02 0.03 ND 0.1 Beferazte 0.01 0.05 ND 0.1 Stackstrobin 0.01 0.02 ND 0.1 Bferazte 0.01 0.04 ND 0.1 Directhomorph 0.02 0.01 ND 0.1 Finacatin 0.01 0.02 ND 0.1 ND <t< td=""><td>Imazalil</td><td>0.02</td><td>0.07</td><td>ND</td><td>0.02</td><td>Methiocarb</td><td>0.01</td><td>0.02</td><td>ND</td><td>0.01</td></t<>	Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
ChiopryIfes 0.01 0.04 ND 0.01 Ethoprophos) 0.01 0.02 ND 0.01 Baygon (Propoxu') 0.01 0.02 ND 0.01 Chiordenage 0.04 0.01 ND 0.02 Boygon (Propoxu') 0.03 0.03 0.01 Actor 0.03 0.04 0.01 0.02 0.05 Methyl Prorthion 0.02 0.03 ND 0.03 Abamectin 0.03 0.08 ND 0.01 0.05 ND 0.1 Acephote 0.02 0.05 ND 0.1 Actor 0.01 0.05 ND 0.1 Acephote 0.01 0.02 ND 0.1 Bifenozate 0.01 0.05 ND 0.1 0.05 ND 0.1 0.01 0.02 ND 0.1 0.01 <	Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Baygón (Propoxur) 0.01 0.02 ND 0.01 Chlordane 0.04 0.1 ND 0.04 Chlorfangyr 0.03 0.1 <loq< td=""> 0.03 Methyl Parathion 0.02 0.1 ND 0.02 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 Acephate 0.01 0.02 ND 0.1 Acetamiprid 0.01 0.05 ND 0.1 Carbaryl 0.01 0.02 ND 0.5 Chlorantrailliprole 0.01 0.02 ND 0.1 Carbaryl 0.01 0.02 ND 0.1 Diarion 0.01 0.05 ND 0.1 Carbaryl 0.01 0.05 ND 0.1 Headitonic 0.01 0.05 ND 0.1 Main and andin andin and and and and and and andin andin and and andi</loq<>	Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chorebox 0.03 0.1 <loq< th=""> 0.03 Methyl Parathion 0.02 0.1 ND 0.02 Mevinphos 0.03 0.08 ND 0.03 Abameetin 0.03 0.08 ND 0.1 Acephote 0.02 0.05 ND 0.1 Acetomiprid 0.01 0.05 ND 0.1 Acephote 0.01 0.02 ND 0.1 Bifenzate 0.01 0.05 ND 0.1 Acephote 0.01 0.02 ND 0.5 Chiorantroniliprole 0.01 0.03 ND 0.1 Corbaryl 0.01 0.02 ND 0.5 Chiorantroniliprole 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.06 ND 2 Etoxazole 0.01 0.02 ND 0.1 Heidoxoni 0.01 0.05 ND 5 Kresozim-methyl 0.01 0.02 ND 1.1 Huidoxoni 0.01 <t< td=""><td>Chlorpyrifos</td><td></td><td>0.04</td><td></td><td>0.01</td><td>Ethoprophos (Prophos)</td><td></td><td>0.02</td><td>ND</td><td></td></t<></loq<>	Chlorpyrifos		0.04		0.01	Ethoprophos (Prophos)		0.02	ND	
Mevinphos 0.03 0.08 ND 0.03 Abarnectin 0.03 0.08 ND 0.1 Acephate 0.02 0.05 ND 0.1 Acetomiprid 0.01 0.05 ND 0.1 Acexystrobin 0.01 0.02 ND 0.1 Bifentrinin 0.02 0.03 ND 0.1 Bifentrinin 0.01 0.03 ND 0.1 Corbary 0.01 0.02 ND 0.5 Chiorantrollipole 0.01 0.02 ND 0.1 Clofentezine 0.01 0.02 0.06 ND 2 Exozole 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.06 ND 2 Exozole 0.01 0.02 ND 0.1 Flogizoni 0.01 0.05 ND 0.1 Heyythizox 0.01 0.03 ND 0.1 Inidacloprid 0.01 0.05 ND 0.1 Meythizox 0.01 0.02	Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Acephate 0.02 0.05 ND 0.1 Acetamprid 0.01 0.05 ND 0.1 Azoxystrobin 0.01 0.02 ND 0.1 Bifenozate 0.01 0.05 ND 0.1 Azoxystrobin 0.01 0.02 ND 0.1 Biscolid 0.01 0.05 ND 0.1 Carboryl 0.01 0.02 ND 0.5 Chlorantraniliprole 0.01 0.04 ND 10 Clofentezine 0.01 0.02 ND 0.1 Diozinon 0.01 0.02 ND 0.1 Endproximate 0.02 0.1 ND 0.1 Hexazole 0.01 0.02 ND 0.1 Inidacloprid 0.01 0.05 ND 0.1 Hexazole 0.01 0.02 ND 0.1 Inidacloprid 0.01 0.05 ND 0.1 Metroloxyl 0.01 0.02 ND 0.1 Inidacloprid 0.01 0.02	Chlorfenapyr		0.1	<loq< td=""><td>0.03</td><td>Methyl Parathion</td><td></td><td>0.1</td><td>ND</td><td>0.02</td></loq<>	0.03	Methyl Parathion		0.1	ND	0.02
Azowystrobin 0.01 0.02 ND 0.1 Bifenzare 0.01 0.05 ND 0.1 Bifenthrin 0.02 0.35 ND 3 Boscalid 0.01 0.03 ND 0.1 Carbary 0.01 0.02 ND 0.5 Chorantraniliprole 0.01 0.02 ND 0.1 Clofentzine 0.01 0.03 ND 0.1 Dizanon 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.1 ND 0.1 Floriazant 0.01 0.02 ND 0.1 Fludiosonii 0.02 0.1 ND 0.1 Herythiazo 0.01 0.03 ND 0.1 Maldthin 0.01 0.05 ND 0.5 Metolaxyl 0.01 0.02 ND 0.1 Nold 0.02 0.05 ND 0.1 Oxamyl 0.01 0.02 ND 0.1 Nold 0.02 0.05 ND	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 Carboryl 0.01 0.02 ND 0.5 Chlorantraniliprole 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.03 ND 0.1 Elozianon 0.01 0.02 ND 0.1 Fenguroximate 0.02 0.1 ND 0.1 Flonicamid 0.01 0.02 ND 0.1 Indidactorid 0.01 0.05 ND 0.1 Flonicamid 0.01 0.03 ND 0.1 Indidactorid 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Indidactorid 0.01 0.05 ND 0.5 Kresoxim-methyl 0.01 0.02 ND 0.1 Indidactorid 0.01 0.05 ND 0.5 Metoxyl 0.01 0.02 ND 0.1 Noled 0.02 0	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 Clofentzine 0.01 0.03 ND 0.1 Diazion 0.01 0.05 ND 0.1 Dimethomorph 0.02 0.06 ND 2 Etoxazole 0.01 0.05 ND 0.1 Fludiconil 0.02 0.1 ND 0.1 Florincamid 0.01 0.02 ND 0.1 Inidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Malathion 0.01 0.05 ND 5 Meetoaxyl 0.01 0.02 ND 0.1 Malathion 0.01 0.05 ND 5 Meetoaxyl 0.01 0.02 ND 0.1 Malathion 0.01 0.05 ND 1 Mychobarnil 0.02 ND 0.1 Malathion 0.02 0.05 ND	Azoxystrobin	0.01	0.02	ND	0.1	Bifenazate	0.01	0.05	ND	0.1
Clofentezine 0.01 0.03 ND 0.1 Diazinon 0.01 0.02 ND 0.1 Dimethomorph 0.02 0.06 ND 2 Etoxzole 0.01 0.02 ND 0.1 Fenguroximate 0.02 0.1 ND 0.1 Flonicomid 0.01 0.02 ND 0.1 Fludioxonil 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Midathion 0.01 0.05 ND 0.5 Kresoxim-methyl 0.01 0.02 ND 0.1 Midathion 0.01 0.05 ND 0.5 Kresoxim-methyl 0.01 0.02 ND 0.1 Midathion 0.01 0.02 0.05 ND 1 Myclobutanil 0.02 ND 0.1	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 Fengroximate 0.02 0.1 ND 0.1 Flonicomid 0.01 0.02 ND 0.1 Ibidiaconid 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Imidacloprid 0.01 0.05 ND 5 Kresonim-methyl 0.01 0.03 ND 0.1 Malathian 0.01 0.05 ND 0.5 Metolaxyl 0.01 0.02 ND 0.1 Netod 0.01 0.02 ND 0.1 Myclobutanil 0.02 0.07 ND 0.1 Netod 0.01 0.02 ND 0.5 Phosmet 0.01 0.02 ND 0.1 Piperonyl Butoxide 0.02 0.06 ND 3 Projeconazole 0.01 0.02 ND 0.1 Pipreonyl Butoxide 0.02 0.	Carbaryl	0.01	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 Fludiconii 0.01 0.05 ND 0.1 Hexythiazox 0.01 0.03 ND 0.1 Ilidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Malathian 0.01 0.05 ND 0.5 Metalaxyl 0.01 0.02 ND 2 Methomyl 0.02 0.05 ND 1 Myclobutanil 0.02 0.02 ND 0.1 Noled 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.1 Peremethrin 0.01 0.02 ND 0.1 Oxamyl 0.01 0.02 ND 0.1 Prolethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 ND 0.1 Spinosad D 0.01 0.02 ND 0.1<	Clofentezine	0.01	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 Imidacoprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.02 ND 0.1 Malathion 0.01 0.05 ND 0.5 Kresoxim-methyl 0.01 0.02 ND 0.2 Methonyl 0.02 0.05 ND 1 Myclobutanil 0.02 0.07 ND 0.1 Noled 0.01 0.02 0.05 ND 0.1 Oxanyl 0.01 0.02 ND 0.1 Peremethrin 0.01 0.02 0.05 ND 0.1 Pyretorazi 0.03 0.08 ND 0.1 Projetonzole 0.02 0.06 ND 3 Projetonzole 0.03 0.08 ND 0.1 Pyrideben 0.02 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosazi A 0.01 <td>Dimethomorph</td> <td>0.02</td> <td>0.06</td> <td>ND</td> <td>2</td> <td>Etoxazole</td> <td>0.01</td> <td>0.05</td> <td>ND</td> <td>0.1</td>	Dimethomorph	0.02	0.06	ND	2	Etoxazole	0.01	0.05	ND	0.1
Imidacloprid 0.01 0.05 ND 5 Kresoxim-methyl 0.01 0.03 ND 0.1 Maidribion 0.01 0.05 ND 0.5 Metodayl 0.01 0.03 ND 0.1 Methomyl 0.02 0.05 ND 1 Myclobutanil 0.02 0.07 ND 0.1 Neled 0.01 0.02 ND 0.1 Oxomyl 0.01 0.02 ND 0.5 Permethrin 0.01 0.02 ND 0.5 Phosmet 0.01 0.02 ND 0.1 Proleonozole 0.03 0.06 ND 3 Projeconozole 0.05 ND 0.1 Proleonozole 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 SpinosadA 0.01 0.02 ND 0.1 Spinosad D 0.01 0.02 ND	Fenpyroximate	0.02	0.1	ND	0.1	Flonicamid	0.01	0.02	ND	0.1
Malathon 0.01 0.05 ND 0.5 Metaoxyl 0.01 0.02 ND 2 Methonyl 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 Propiconozole 0.03 0.08 ND 0.1 Piperonyl Butoxide 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 0.02 ND 0.1 Spinosacle 0.01 0.02 ND 0.1 Spinotetramat 0.01 0.02	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 Naled 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 Prailethrin 0.02 0.06 ND 0.1 Pyrethrin 0.05 ND 0.1 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 Spinosad A 0.02 0.06 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Spinosazole 0.01 0.02 ND 0.1 Spinotarumatic 0.01 0.02 ND	Imidacloprid	0.01	0.05	ND	5	Kresoxim-methyl	0.01	0.03	ND	0.1
Nole 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 Prailethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.41 ND 0.5 Puridoben 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 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Spinosad A 0.01 0.02 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Thiamethoxam 0.01 0.02	Malathion	0.01	0.05	ND	0.5	Metalaxyl	0.01	0.02	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 Piperonyl Butoxide 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 0.07 ND 0.1 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Spinosad A 0.01 0.02 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Spinotetramat 0.01 0.02 ND 0.1 Captan 0.01 0.02 ND 0.1 Cypermethrin <t< td=""><td>Methomyl</td><td>0.02</td><td>0.05</td><td>ND</td><td>1</td><td>Myclobutanil</td><td>0.02</td><td>0.07</td><td>ND</td><td>0.1</td></t<>	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 Prailethrin 0.02 0.05 ND 0.1 Pyrethrin 0.05 0.01 ND 0.5 Prailethrin 0.02 0.07 ND 0.1 Pyrethrin 0.05 0.01 0.05 ND 0.1 Spinosad D 0.01 0.02 0.07 ND 0.1 Spinosad A 0.02 0.06 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 SpinosafA 0.02 0.06 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Spinosad D 0.02 0.02 ND 0.1 Capton 0.01 0.02 ND 0.1 Aceguinocyl	Naled	0.01	0.02	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 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 Spinosad D 0.01 0.05 ND 0.1 Spinosad A 0.01 0.02 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Spinosad P 0.01 0.02 ND 0.1 Spinosad D 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Acequinocyl 0.02 0.07 ND 0.1 Captan 0.01 0.02 ND 0.1 Cypermethrin 0.02 0.07	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 Spinosad A 0.01 0.05 ND 0.1 Spinosad D 0.01 0.05 ND 0.1 Spinosad A 0.02 0.06 ND 0.1 Spinoterramat 0.01 0.02 ND 0.1 Tebuconazole 0.01 0.02 ND 0.1 Aceguinocyl 0.02 0.09 ND 0.1 Captan 0.01 0.02 ND 0.7 Cypermethrin 0.02 0.07 ND 1 Cyfluthrin 0.04 0.1 ND 2 Fenhexamid 0.02 0.07 ND 0.1 Spinetoram JL 0.02 0.07 ND 0.1	Piperonyl Butoxide				3	Propiconazole		0.08	ND	
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 Tebuconozole 0.01 0.02 ND 0.1 Iniamethoxam 0.01 0.02 ND 0.5 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 0.07 ND 1 Cyfluthrin 0.02 0.07 ND 0.1 Fonhexamid 0.02 0.07 ND 0.1 Spinetoram JL 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 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 Qipermethrin 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 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 Fenhexamid 0.02 0.07 ND 0.1 Spinetoran J,L 0.02 0.07 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 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 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
Penhexamid 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

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	<loq< td=""><td></td></loq<>	
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	29.2	
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		Xylenes (Xyl)	0.4	40.0	ND	

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Jul 26, 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 3g	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND			

MWA - Moisture Content & Water Activity Analysis

Analyzed Jul 26, 2023 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	Result	Limit	Analyte	Result	Limit
Moisture (Moi)	6.8 % Mw	13 % Mw	Water Activity (WA)	0.49 a _w	0.85 a _w

UI Unidentified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Otenctification <LOQ Detected >ULQL Above upper limit of linearity >ULQL Above upper limit of linearity CFU/Q colong Forming Units per 1 gram TNTC Too Numerous to Count





Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Fri, 01 Sep 2023 17:16:46 -0700

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