PharmLabs San Diego Certificate of Analysis

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Sample HHC Highlighter - Hawaiian Snowcap - 2 Gram (Hybrid) CRD231506-06

Sample ID SD230622-105 (8023	37)	Matrix Concentrate (Inhalable Cannabis Good)
Tested for Canna River		
Sampled -	Received Jun 22, 2023	Reported Jul 17, 2023
Analyses executed CANX, RES.	MIBIG. MTO. PES. HME. FVI	Unit Mass (a) 2.0

CANX - Cannabinoids Analysis

Analyzed Jul 03, 2023 | Instrument HPLC-VWD | Method

Analyte Long	The expanded Uncertainty of the Cannabinoid analysis is approximately \$ 9.806 \% at the 95\% Confidence Level									
Cannabidiorcin (CBDO)	Analyte									
Abnormal Cannabidiorcin (α-CBDO) 0.01 0.031 ND ND ND (+/-)-98-hydroxy-Hexchyddrocannibinol (9b-HHC) 0.012 0.036 ND ND ND ND ND ND ND N	11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND				
(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC) 0.012 0.036 ND ND ND 11-Hydroxy-Δε-Tetrahydrocannobinol (11-Hyd-Δ8-THC) 0.007 0.021 ND	Cannabidiorcin (CBDO)	0.002	0.007	ND	ND	ND				
Ti-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	Abnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND	ND				
Cannabidolic Acid (CBDA) 0.001 0.16 ND ND ND Cannabigerol Acid (CBGA) 0.001 0.16 ND	(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND	ND				
Cannabigerol Acid (CBGA)	11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND	ND				
Cannabigerol (CBG)	Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND				
Cannabidiol (CBD)	Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND				
1(S)-THD (s-THD) 0.013 0.041 ND ND ND 1(R)-THD (r-THD) 0.025 0.075 ND ND<	Cannabigerol (CBG)	0.001	0.16	ND	ND	ND				
I(R)-THD (r-THD) 0.025 0.075 ND ND ND Tetrahydrocannabivarin (THCV) 0.001 0.16 ND ND ND Δ8-tetrahydrocannabivarin (Δ8-THCV) 0.021 0.064 ND ND ND Cannabidihexol (CBDH) 0.005 0.16 ND ND ND ND Cannabidiphorol (CBDP) 0.013 0.038 ND ND <td>Cannabidiol (CBD)</td> <td>0.001</td> <td>0.16</td> <td>ND</td> <td>ND</td> <td>ND</td>	Cannabidiol (CBD)	0.001	0.16	ND	ND	ND				
Tetrahydrocannabivarin (THCV)	1(S)-THD (s-THD)	0.013	0.041	ND	ND	ND				
Δ8-tetrahydrocannabivarin (Δ8-THCV) 0.021 0.064 ND ND ND Cannabidihexol (CBDH) 0.005 0.16 ND	1(R)-THD (r-THD)	0.025	0.075	ND	ND	ND				
Cannabidihexol (CBDH) 0.005 0.16 ND ND ND Tetrahydrocannabutol (Δ9-THCB) 0.013 0.038 ND ND ND Cannabidiphorol (CBDP) 0.015 0.047 ND ND ND exo-THC (exo-THC) 0.005 0.16 ND ND ND Exo-THC (exo-THC) 0.003 0.16 ND ND ND Extrahydrocannabinol (Δ8-THC) 0.003 0.16 ND ND ND MB-ettrahydrocannabinol (68-R9S)-Δ10) 0.015 0.16 ND ND ND Hexahydrocannabinol (5 Isomer) (9s-HHC) 0.017 0.16 ND ND ND Hexahydrocannabinol (8 Isomer) (9s-HHC) 0.017 0.16 ND ND ND Hexahydrocannabinol (8 Isomer) (9r-HHC) 0.017 0.16 ND ND ND Hexahydrocannabinol (8 Isomer) (9r-HHC) 0.016 0.16 0.16 NB ND ND Hexahydrocannabinol (6 (All (THCA) 0.017 0.16 ND	Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND				
Tetrahydrocannabutol (Δ9-THCB)	Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND	ND				
Cannabinol (CBN) 0.001 0.16 ND ND ND Cannabidiphorol (CBDP) 0.015 0.047 ND ND ND exo-THC (exo-THC) 0.005 0.16 ND ND ND Exterdhydrocannabinol (Δ9-THC) 0.003 0.16 ND ND ND Δ8-tetrahydrocannabinol (Δ8-THC) 0.004 0.16 ND ND ND (6αR,9S)-Δ10-Tetrahydrocannabinol ((6αR,9S)-Δ10) 0.015 0.16 ND ND ND (6αR,9S)-Δ10-Tetrahydrocannabinol ((6αR,9R)-Δ10) 0.017 0.16 ND ND ND (6αR,9S)-Δ10-Tetrahydrocannabinol ((6αR,9R)-Δ10) 0.017 0.16 ND ND ND Hexahydrocannabinol (Risamer) (9r-HHC) 0.016 0.16 61.86 618.59 1237.19 Tetrahydrocannabinolic Acid (THCA) 0.001 0.16 ND ND ND A9-Tetrahydrocannabihphorol (Δ9-THCH) 0.024 0.071 ND ND ND Δ9-Tetrahydrocannabiphorol (Δ8-THCP) 0.017 <td< td=""><td>Cannabidihexol (CBDH)</td><td>0.005</td><td>0.16</td><td>ND</td><td>ND</td><td>ND</td></td<>	Cannabidihexol (CBDH)	0.005	0.16	ND	ND	ND				
Cannabidiphorol (CBDP) 0.015 0.047 ND ND ND exo-THC (exo-THC) 0.005 0.16 ND <	Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND	ND				
exo-THC (exo-THC) 0.005 0.16 ND ND ND Tetrahydrocannabinol (Δ9-THC) 0.003 0.16 ND ND ND Δ8-tetrahydrocannabinol (Δ8-THC) 0.004 0.16 ND ND ND (66R,95)-Δ10-Tetrahydrocannabinol ((66R,95)-Δ10) 0.015 0.16 ND ND ND Hexahydrocannabinol (S Isomer) (9s-HHC) 0.007 0.16 ND ND ND Hexahydrocannabinol (R Isomer) (9r-HHC) 0.006 0.16 NB ND ND Hexahydrocannabinol (Acid (THCA) 0.001 0.16 ND ND ND A9-Tetrahydrocannabinel (Ag-THCH) 0.024 0.071 ND ND ND Cannabinol Acetate (CBNO) 0.014 0.043 ND ND ND A8-Tetrahydrocannabiphorol (Δ9-THCP) 0.014 0.043 ND ND ND Cannabicitran (CBT) 0.041 0.16 ND ND ND A8-Tetrahydrocannabiphorol (Δ8-THCP) 0.041 0.16 ND	Cannabinol (CBN)	0.001	0.16	ND	ND	ND				
Tetrahydrocannabinol (Δ9-THC)	Cannabidiphorol (CBDP)	0.015	0.047	ND	ND	ND				
Δ8-tetrahydrocannabinol (Δ8-THC) 0.004 0.16 ND ND ND (66R,95)-Δ10-Tetrahydrocannabinol ((6aR,95)-Δ10) 0.015 0.16 ND ND ND Hexahydrocannabinol (S Isomer) (9s-HHC) 0.017 0.16 ND ND ND (66R,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) 0.007 0.16 ND ND ND ND Hexahydrocannabinol (R Isomer) (9r-HHC) 0.016 0.16 618.6 618.59 1237.19 Tetrahydrocannabinolic Acid (THCA) 0.001 0.16 ND ND ND A9-Tetrahydrocannabihexol (Δ9-THCH) 0.024 0.071 ND ND ND Cannabinol Acetate (CBNO) 0.017 0.16 ND ND ND ND A9-Tetrahydrocannabiphorol (Δ9-THCP) 0.017 0.16 ND ND ND ND Δ9-Tetrahydrocannabiphorol (Δ9-THCP) 0.017 0.16 ND ND ND ND Δ8-Tetrahydrocannabiphorol (Δ8-THCP) 0.007 0.16 ND ND <t< td=""><td>exo-THC (exo-THC)</td><td>0.005</td><td>0.16</td><td>ND</td><td>ND</td><td>ND</td></t<>	exo-THC (exo-THC)	0.005	0.16	ND	ND	ND				
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10) 0.015 0.16 ND ND ND Hexahydrocannabinol (S Isomer) (9s-HHC) 0.017 0.16 30.71 307.12 614.25 (6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) 0.007 0.16 ND ND ND Hexahydrocannabinol (R Isomer) (9r-HHC) 0.016 0.16 61.86 618.59 1237.19 Tetrahydrocannabinolic Acid (THCA) 0.001 0.16 ND ND ND Δ9-Tetrahydrocannabihevol (Δ9-THCH) 0.024 0.071 ND ND ND Cannabinol Acetate (CBNO) 0.014 0.043 ND ND ND ND Δ9-Tetrahydrocannabiphorol (Δ9-THCP) 0.017 0.16 ND	Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	ND	ND	ND				
Hexahydrocannabinol (S Isomer) (9s-HHC) 0.017 0.16 30.71 0.16 30.71 0.712 614.23 661.23 0.71 0.007 0.16 ND	Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	ND	ND	ND				
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10) 0.007 0.16 ND ND ND Hexahydrocannabinol (R Isomer) (9r-HHC) 0.016 0.16 61.86 618.59 1237.19 Tetrahydrocannabinolic Acid (THCA) 0.001 0.16 ND ND ND A9-Tetrahydrocannabineolic (Δ9-THCH) 0.024 0.071 ND ND ND Cannabinol Acetate (CBNO) 0.014 0.043 ND ND ND ND Δ9-Tetrahydrocannabiphorol (Δ9-THCP) 0.017 0.16 ND ND ND Δ8-Tetrahydrocannabiphorol (Δ8-THCP) 0.041 0.16 ND ND ND Cannabicitran (CBT) 0.005 0.16 ND ND ND Cannabicitran (CB+HCP) 0.016 ND ND ND A8-THC-O-acetate (Δ8-THCO) 0.076 0.16 ND ND ND A9-THC-O-acetate (Δ9-THCO) 0.066 0.16 ND ND ND A9-THC-O-acetate (A9-THCO) 0.066 0.16 ND	(6αR,9S)-Δ10-Tetrahydrocannabinol ((6αR,9S)-Δ10)	0.015	0.16	ND	ND	ND				
Hexahydrocannabinol (R Isomer) (9r-HHC)	Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	30.71	307.12	614.23				
Tetrahydrocannabinolic Acid (THCA) 0.001 0.16 ND ND ND Δ9-Tetrahydrocannabihexol (Δ9-THCH) 0.024 0.071 ND ND ND Cannabinol Acetate (CBNO) 0.014 0.043 ND ND <td< td=""><td>(6aR,9R)-∆10-Tetrahydrocannabinol ((6aR,9R)-∆10)</td><td>0.007</td><td>0.16</td><td>ND</td><td>ND</td><td>ND</td></td<>	(6aR,9R)-∆10-Tetrahydrocannabinol ((6aR,9R)-∆10)	0.007	0.16	ND	ND	ND				
Δ9-Tetrahydrocannabihexol (Δ9-THCH) Cannabinol Acetate (CBNO) Δ9-Tetrahydrocannabiphorol (Δ9-THCP) Δ9-Tetrahydrocannabiphorol (Δ9-THCP) Δ9-Tetrahydrocannabiphorol (Δ8-THCP) Δ8-Tetrahydrocannabiphorol (Δ8-THCP) Δ8-Tetrahydrocannabiphorol (Δ8-THCP) Δ8-Tetrahydrocannabiphorol (Δ8-THCP) Δ8-THC-O-acetate (Δ8-THCO) Δ9-THC-O-acetate (Δ8-THCO) Δ9-THC-O-acetate (Δ9-THCO) Δ9-THC-O-acetate (Δ9-THCO) Δ9-THC-O-acetate (Δ9-THCO) Δ9-THC-O-acetate (Δ9-THCO) Δ9-THC-O-acetate (S-HHCO) Δ9-THC MD ND	Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	61.86	618.59	1237.19				
Cannabinal Acetate (CBNO) 0.014 0.043 ND ND ND Δ9-Tetrahydrocannabiphorol (Δ9-THCP) 0.017 0.16 ND ND ND Δ8-Tetrahydrocannabiphorol (Δ8-THCP) 0.041 0.16 ND ND ND Cannabicitran (CBT) 0.005 0.16 ND ND ND ND A8-THC-O-acetate (Δ8-THCO) 0.076 0.16 ND	Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND				
Δ9-Tetrahydrocannabiphorol (Δ9-THCP) Δ8-Tetrahydrocannabiphorol (Δ8-THCP) Δ8-Tetrahydrocannabiphorol (Δ8-THCP) Δ0-41 Δ8-THC-O-acetate (Δ8-THCO) Δ8-THC-O-acetate (Δ8-THCO) Δ9-THC-O-acetate (Δ9-THCO) Δ0-Δ9-THC-O-acetate (Δ9-THCO) Δ0-Δ9-THC-O-acetate (Δ9-THCO) Δ0-Δ9-THC-O-acetate (Δ9-THCO) Δ0-Δ9-THC-O-acetate (Δ9-THCO) Δ0-Δ9-THC-O-acetate (Δ9-THCO) Δ0-Δ9-THC (Δ9-THCO) Δ9-THC (Δ9-THCO) Δ9-THC (Δ9-THCO) Δ9-THC (Δ9-MeO-THC) Δ9-THC (Δ9-MeO-THC) Δ9-THC (Δ9-MeO-THC) Λ0-Δ9-THC (Δ9-MeO-THC) Λ	Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND				
Δ8-Tetrahydrocannabiphorol (Δ8-THCP) Cannabicitran (CBT) Δ8-THC-O-acetate (Δ8-THCO) Δ9-THC-O-acetate (Δ8-THCO) Δ9-THC-O-acetate (Δ9-THCO) Δ0-ΣΕΕΓΑΙ ΔΕΕΓΑΙ ΔΕ	Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND				
Connabicitran (CBT) 0.005 0.16 ND ND ND Δ8-THC-O-acetate (Δ8-THCO) 0.076 0.16 ND	Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND	ND				
Δ8-THC-O-acetate (Δ8-THCO) 0.076 0.16 ND ND ND 9(S)-HHCP (s-HHCP) 0.031 0.094 ND ND ND Δ9-THC-O-acetate (Δ9-THCO) 0.066 0.16 ND ND ND (R)-HHCP (-HHCP) 0.026 0.079 ND ND ND 9(R)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND ND 9(S)-HHC-O-acetate (r-HHCO) ND ND ND 9(R)-HHC-O-acetate (r-HHCO) ND ND ND 9(R)-HHC-O-acetate (r-HHCO) ND ND ND 1-10 ND 1-10 ND ND ND 1-10 ND ND ND 1-10 ND ND ND ND ND 1-10 ND ND ND ND ND ND ND 1-10 ND	Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND	ND				
9(S)-HHCP (s-HHCP) 0.031 0.094 ND ND ND Δ9-THC-O-acetate (Δ9-THCO) 0.066 0.16 ND ND ND ND 9(R)-HHCP (r-HHCP) 0.026 0.079 ND	Cannabicitran (CBT)	0.005	0.16	ND	ND	ND				
Δ9-THC-O-acetate (Δ9-THCO) 0.066 0.16 ND	Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND				
9(R)-HHCP (r-HHCP) 0.026 0.079 ND ND ND 9(S)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND ND 9(R)-HHC-O-acetate (r-HHCO) NT NT NT NT 3-cctgl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) 0.067 0.204 ND ND ND Δ9-THC methyl ether (Δ9-MeO-THC) ND ND ND ND Total THC (THCa *0.877 + Δ9THC) ND ND ND Total THC + Δ8THC + Δ10THC (THCa *0.877 + Δ9THC + Δ8THC + Δ10THC) ND ND ND Total CBD (CBDa *0.877 + CBD) ND ND ND ND Total CBG (CBGa *0.877 + CBG) ND ND ND ND	9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND				
9(S)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND ND 9(R)-HHC-O-acetate (r-HHCO) NT NT NT NT NT 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) 0.067 0.204 ND	Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND	ND				
9(R)-HHC-O-acetate (r-HHCO) NT NT NT 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) 0.067 0.204 ND ND ND Δ9-THC methyl ether (Δ9-MeO-THC) ND ND ND ND ND Total THC (THCa * 0.877 + Δ9THC) ND ND ND ND ND Total THC + ΔΒΤΗC + ΔΙΟΤΗC (THCa * 0.877 + Δ9THC + Δ8THC + ΔΙΟΤΗC) ND ND ND ND Total CBD (CBGa * 0.877 + CBG) ND ND ND ND Total CBG (CBGa * 0.877 + CBG) ND ND ND	9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND				
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) 0.067 0.204 ND ND ND Δ9-THC methyl ether (Δ9-MeO-THC) ND ND ND ND ND Total THC (THCa *0.877 + Δ9THC) ND ND ND ND ND Total THC + Δ8THC + Δ10THC (THCa *0.877 + Δ9THC + Δ8THC + Δ10THC) ND ND ND ND Total CBD (CBDa *0.877 + CBD) ND ND ND ND Total CBG (CBGa *0.877 + CBG) ND ND ND	9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND				
Δ9-THC methyl ether (Δ9-MeO-THC) ND ND ND Total THC (THCa * 0.877 + Δ9THC) ND ND ND Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) ND ND ND Total CBD (CBDa * 0.877 + CBD) ND ND ND Total CBG (CBGa * 0.877 + CBG) ND ND ND	9(R)-HHC-O-acetate (r-HHCO)			NT	NT	NT				
Total THC (ΤΗCa * 0.877 + Δ9THC) ND ND ND Total THC + Δ8THC + Δ10THC (ΤΗCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) ND ND ND Total CBD (CBDa * 0.877 + CBD) ND ND ND Total CBG (CBGa * 0.877 + CBG) ND ND ND	3-octyl-∆8-Tetrahydrocannabinol (∆8-THC-C8)	0.067	0.204	ND	ND	ND				
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) ND ND ND Total CBD (CBDa * 0.877 + CBD) ND ND ND Total CBG (CBGa * 0.877 + CBG) ND ND ND	Δ9-THC methyl ether (Δ9-MeO-THC)			ND	ND	ND				
Total CBD (CBDa ` 0.877 + CBD) ND ND ND Total CBG (CBGa ` 0.877 + CBG) ND ND ND	Total THC (THCa * 0.877 + Δ9THC)			ND	ND	ND				
Total CBG (CBGa * 0.877 + CBG) ND ND ND	Total THC + Δ 8THC + Δ 10THC (THCa * 0.877 + Δ 9THC + Δ 8THC + Δ 10THC)			ND	ND	ND				
	Total CBD (CBDa * 0.877 + CBD)			ND	ND	ND				
	Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND				
Total HHC (9r-HHC + 9s-HHC) 92.57 925.71 1851.42	Total HHC (9r-HHC + 9s-HHC)									
Total Cannabinoids 92.57 925.71 1851.42	Total Cannabinoids			92.57	925.71	1851.42				



HME - Heavy Metals Detection Analysis

Analyzed Jun 30, 2023 | Instrument ICP/MSMS | Method SOP-005

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Arsenic (As)	0.0002	0.0005	ND	0.2
Cadmium (Cd)	3.0e-05	0.0005	ND	0.2
Mercury (Hg)	1.0e-05	0.0001	ND	0.1
Lead (Pb)	1.0e-05	0.00125	ND	0.5

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









Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager



MIBIG - Microbial Testing Analysis

Analyzed Jul 03, 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
Asperaillus niger	ND	ND per 1 gram	Asperaillus terreus	ND	ND per 1 gram

MTO - Mycotoxin Testing Analysis

Analyzed Jun 30, 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 Not Identified
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









Authorized Signature

Branden Starr

Brandon Starr, Lab Manager Mon. 17 Jul 2023 13:31:41 -0700



PES - Pesticides Screening Analysis

Analyzed Jun 30, 2023 | Instrument LC/MSMS GC/MSMS | Method SOP-003

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
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	NT	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Prophos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	NT	0.04
Chlorfenapyr	0.03	0.1	NT	0.03	Methyl Parathion	0.02	0.1	NT	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
Azoxystrobin	0.01	0.02	ND	0.1	Bifenazate	0.01	0.05	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	Diazinon	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	0.02	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	0.03	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
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
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	NT	1	Cyfluthrin	0.04	0.1	NT	2
Fenhexamid	0.02	0.07	ND	0.1	Spinetoram J,L	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	NT	0.1					

RES - Residual Solvents Testing Analysis

Analyzed Jul 03, 2023 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

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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	38.9	
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	<l0q< td=""><td></td><td>Acetonitrile (Acetonit)</td><td>0.4</td><td>40.0</td><td>ND</td><td></td></l0q<>		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		Xylenes (Xyl)	0.4	40.0	ND	

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Jun 29, 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 3q	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

UI Not Identified
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









Authorized Signature

Brandon Start

Brandon Starr, Lab Manager
Mon, 17 Jul 2023 13:51:41-0700

