PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368





Sample ID SD230315-017 (69795)		Matrix Concentrate (Inhalable Cannabis Good)				
Tested for Crooked Creations						
Sampled -	Received Mar 14, 2023	Reported Mar 20, 2023				
Analyses executed CANX, RES, MIBIG, MTO, PES, HME, FVI						

Laboratory note: The estimated concentration of the unknown peak in the sample is 1.72% | 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 (+)d8-THC or 49-THC. At this time there are no reference standards available for (+)d8-THC. (c)d8-THC is or 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. 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 :66.9%

CANX - Cannabinoids Analysis

Analyzed Mar 20, 2023 | Instrument HLPC

Page	Measurement Uncertainty at 95% confidence 7.806 %				
Commonitaring (CRIPO)	Analyte		LOQ mg/g		
Abornal Connelation (Confedio) (1 0.00	11-Hydroxy-∆8-Tetrahydrocannabivarin (11-Hyd-∆8-THCV)	0.013	0.041	ND	ND
(수)-98 Hydrough-Herochightoneshiero (19-HHC) - Hydrough-Har-Chightoneshiero (19-HHC)	Cannabidiorcin (CBDO)	0.002	0.007	ND	ND
High Day All- Fetrolly de comonbine (I High Jal- Fet IV)	Abnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND
Commobigier (A CEBA)	(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND
Connobigeria (Act (CBA) Connobigeria (CBB) C	11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND
Concolabids (CBD)	Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Composition (SED) 0.001 0.16 ND ND Sky THD (x-THD) 0.005 0.04 ND ND 18y THD (x-THD) 0.005 0.015 ND ND 18y THD (x-THD) 0.001 0.18 ND ND 18y THD (x-THD) 0.001 0.18 ND ND 18y THD (x-THD) 0.001 0.18 ND ND Composition (TED) 0.005 0.16 ND ND Commodiship (CBP) 0.001 0.16 2.70 2.70 Commodiship (CBP) 0.001 0.16 ND ND Tetrohydrocomorbinol (SB) 0.001 0.16 ND ND Composition (CBP) 0.005 0.16 ND ND Certainly Commonibin (SB APIHC) 0.005 0.16 ND ND Certainly Commonibin (SB APIHC) 0.001 0.16 6.83 6.893 Certainly Commonibin (GB APIHC) 0.001 0.16 ND ND Certainly Commonibin (GB A	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
Tetrolipticoannablivarin (THCV) 0.001 0.16 ND ND A8-tetralpticoannablivarin (A8-THCY) 0.005 0.16 ND ND Connabidificacy (TEBH) 0.015 0.038 ND ND Connabidificacy (THCB) 0.015 0.038 ND ND Connabidificacy 0.015 0.047 ND ND Connabidificacy 0.005 0.16 ND ND Tetralpdrocannabine (A8-THC) 0.005 0.16 GB 69.30 Connabidificacy 0.017 0.16 0.80 7.97 Hexbridgeconnabidire (Serphy-MC) 0.01 0.06 3.60 4.00 Connabidire (GBR) 0.01 0.06 3.60 4.00 ND Tetralpdrocannabidire (GBR) 0.01 0.06 ND ND	1(S)-THD (s-THD)	0.013	0.041	ND	ND
	1(R)-THD (r-THD)	0.025	0.075	ND	ND
Cannobid Mesol (CBDH) 0.005 0.16 ND ND Tetra hydrocannobutol (Δ9-THCB) 0.013 0.038 ND ND Cannobid (GBN) 0.001 0.16 2.70 2.73 Cannobid (GBDP) 0.005 0.16 ND ND VERY PATHON 0.003 0.16 Ul Ul VERY PATHON 0.003 0.16 Ul Ul VERY PATHON 0.003 0.16 Ul Ul VERY PATHON 0.001 0.16 6.69 2.00 VERY PATHON 0.001 0.16 0.50 0.50 VERY PATHON 0.001 0.16 ND ND VERY PATHON 0.001 0.16 ND ND VERY PATHON 0.001 0.16 ND ND <td>Tetrahydrocannabivarin (THCV)</td> <td>0.001</td> <td>0.16</td> <td>ND</td> <td>ND</td>	Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Tetrahydrocanabinol (Δ9-THCB)	Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND
Cannabian (CBN) 0.01 0.16 2.70 27.05 Cannabidipherol (CBP) 0.015 0.047 ND ND Cannabidipherol (CBP) 0.005 0.16 ND ND ND Tetrohydrocannabinol (AB-THC) 0.005 0.16 UI UI Cert Price (AB-SPAC) 0.005 0.16 0.10 0.16 68.93 68.93 Cear (AB, PS)-AD-Tetrahydrocannabinol ((60-R9A)-AD() 0.01 0.16 0.80 7.97 Mexchydrocannabinol ((61-R9A)-AD() 0.01 0.16 0.80 ND ND (68-R9A)-AD-Tetrahydrocannabinol ((61-R9A)-AD() 0.01 0.16 ND ND ND (68-R9A)-AD-Tetrahydrocannabinol ((61-R9A)-AD() 0.01 0.01 0.16 ND ND ND Hexchydrocannabinol (R6 Isomer) (97-HHC) 0.01 0.01 ND <	Cannabidihexol (CBDH)	0.005	0.16	ND	ND
Cannabilation (CEDP) 0.015 0.047 ND ND Ever-THC (peo-THC) 0.005 0.16 ND ND Tetrohydrocannobinol (A9-THC) 0.003 0.16 UI UI A8-tetrohydrocannobinol (A8-THC) 0.004 0.16 6.53 6.93 (68,879-3-10-Tetrohydrocannobinol (G68,755-40) 0.015 0.16 0.80 7.97 Hexibydrocannobinol (Sismer) (9s-HHC) 0.007 0.16 ND ND (68,789-3-10-Tetrohydrocannobinol (G69,789-20) 0.01 0.16 ND ND NB De Tetrohydrocannobinol (G8,789-20) 0.01 0.16 ND ND NB Tetrohydrocannobinol (G8,789-20) 0.01 0.16 ND ND NB Tetrohydrocannobinol (G8,789-20) 0.01 0.16 ND ND NB Tetrohydrocannobinol (G8,789-20) 0.01 0.01 0.01 ND NB Tetrohydrocannobinol (G8,789-20) 0.01 0.01 ND ND A9-Tetrohydrocannobinol (G8,789-20) 0.01 ND ND ND	Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND
exo-THC (exo-THC) 0.005 0.16 ND ND Tetrohydrocannobinol (A9-THC) 0.003 0.16 UI UI 66-8,09-3,00-1e-trohydrocannobinol (66-R95-HC) 0.004 0.16 66-83 66-83 (68-R9,5-3,00-1e-trohydrocannobinol (66-R9,9-MO) 0.01 0.16 0.80 7.97 Hexahydrocannobinol (66-R9,9-MO) 0.01 0.16 0.80 7.97 Hexahydrocannobinol (68 Semer) (9-HHC) 0.01 0.16 0.80 8.04 Hexahydrocannobinol (68 Semer) (9-HHC) 0.01 0.16 ND ND Tetrohydrocannobinol (68 Semer) (9-HHC) 0.01 0.16 ND ND 4 Everhydrocannobinol (48 Semer) (9-HHC) 0.01 0.16 ND ND 4 Everhydrocannobinol (48 Semer) (9-HHC) 0.01 0.16 ND ND 5 Everhydrocannobinol (48 Semer) (9-HHC) 0.01 0.16 ND ND 5 Everhydrocannobinol (48 Semer) (9-HHC) 0.01 0.16 ND ND 5 Everhydrocannobinol (48 Semer) (9-HHC) 0.01 0.16	Cannabinol (CBN)	0.001	0.16	2.70	27.03
Tetrahydrocannabinol (Δ9-THC) 0.003 0.16 UI UI Δ8-tetrahydrocannabinol (Δ8-THC) 0.004 0.16 6.93 6.93 (68,78)-Δ10-Tetrahydrocannabinol (66,78)-Δ10) 0.015 0.16 0.80 7.77 Hexhqdrocannabinol (5 Isomer) (9s-HHC) 0.017 0.16 3.60 3.60 (68,78)-Δ10-Tetrahydrocannabinol (16 Isomer) (9r-HHC) 0.007 0.16 3.60 3.60 Hexhqdrocannabinol (16 Isomer) (9r-HHC) 0.007 0.16 3.60 3.60 Tetrahydrocannabinol (16 Isomer) (9r-HHC) 0.001 0.16 3.0 3.60 Tetrahydrocannabinol Actal (THCA) 0.001 0.16 ND ND A9-Tetrahydrocannabinol Actal (THCA) 0.001 0.04 0.07 0.7 1.6 ND ND A9-Tetrahydrocannabiphorol (39-THCP) 0.01 0.01 0.04 0.04 0.07 0.0 ND ND ND AD A-Tetrahydrocannabiphorol (39-THCP) 0.00 0.01 ND ND AD A-Tetrahydrocannabiphorol (39-THCP) 0.00	Cannabidiphorol (CBDP)	0.015	0.047	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THC) 0.004 0.16 6.93 669.30 (6α, 195)-Δ10-Tetrahydrocannabinol ((6α, 195)-Δ10) 0.015 0.16 0.80 7.97 Hexbardydrocannabinol ((6α, 195)-Δ10) 0.017 0.16 N.D N.D (6α, 195)-Δ10-Tetrahydrocannabinol ((6α, 195)-Δ10) 0.007 0.16 3.60 36.04 Hexbardydrocannabinol ((6α, 195)-Δ10-MIC) 0.007 0.16 3.60 36.04 Hexbardydrocannabinol ((6α, 195)-Δ10-MIC) 0.007 0.16 N.D N.D Etrahydrocannabinol (6 (30, 195)-Δ10-MIC) 0.007 0.16 N.D N.D A5-Tetrahydrocannabiphoral (34-THC) 0.004 0.01 0.03 N.D N.D Δ5-Tetrahydrocannabiphoral (34-THC) 0.01 0.04 0.03 N.D N.D Δ5-Tetrahydrocannabiphoral (34-THC) 0.01 0.04 0.04 0.04 0.05 0.0 N.D Δ5-Tetrahydrocannabiphoral (34-THC) 0.04 0.04 0.0 0.0 N.D N.D Δ5-Tetrahydrocannabiphoral (34-THC) 0.04 0.0 0.0 0.0 N.D N.D	exo-THC (exo-THC)	0.005	0.16	ND	ND
(64R,95)-Δ10-Tetrahydrocannabinol ((64R,95)-Δ10) 0.65 0.65 0.80 7.97	Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
(64R,95)-Δ10-Tetrahydrocannabinol ((64R,95)-Δ10)	Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	66.93	669.30
(68,R)P, Δ10-Tetrahydrocannabinol ((68,R)P, Δ10) 0.007 0.16 3.60 3.604 Hexhydrocannabinol (R Isomer) (9r-HHC) 0.016 0.16 ND ND Etrahydrocannabinolic Acid (THCA) 0.001 0.16 ND ND Δ9-Tetrahydrocannabinolic Acid (THCA) 0.004 0.071 0.87 8.74 Cannabinoli Acettae (CBNO) 0.014 0.043 ND ND A9-Tetrahydrocannabiphorol (A9-THCP) 0.017 0.16 ND ND A9-Tetrahydrocannabiphorol (A9-THCP) 0.014 0.04 0.04 ND ND A9-Tetrahydrocannabiphorol (A9-THCP) 0.014 0.04 0.06 ND ND A9-Tetrahydrocannabiphorol (A9-THCP) 0.001 0.01 ND ND A9-Tetrahydrocannabiphorol (A9-THCP) 0.002 0.16 ND ND A9-Tetrahydrocannabiphorol (A9-THCP) 0.003 0.04 ND ND A9-THC-O-acettae (A9-THCO) 0.004 0.00 ND ND A9-THC-PHLP(P(-HHCP) 0.005 0.01		0.015	0.16	0.80	7.97
Hexahydrocannabinol (R Isomer) (9r-HHC) Tetrahydrocannabinolic Acid (THCA)	Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND
Tetrahydrocannabinlic Acid (THCA) 0.001 0.16 ND ND Δ9-Tetrahydrocannabinlexol (Δ9-THCH) 0.024 0.071 0.87 8.74 Cannabinol Acetare (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) 0.05 0.16 ND ND Δ9-Tetrahydrocannabiphorol (Δ8-THCP) 0.005 0.16 ND ND Cannabicitran (CBT) 0.005 0.16 ND ND Cannabicitran (CBT) 0.005 0.16 ND ND S9-H-HCP (s-HHCP) 0.006 0.16 ND ND VS-HHC (s-HHCP) 0.006 0.16 ND ND S9C-HHC (s-HHCP) 0.006 0.16 ND ND S9C-HLC - acetate (ab-THCO) 0.00 0.16 ND ND Ab-THC - acetate (ab-HCO) 0.00 0.00 ND	(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	3.60	36.04
Δ9-Tetrahydrocannablinexol (Δ9-THCH) 0.024 0.071 0.87 8.74 Cannabline (CBNO) 0.014 0.043 ND	Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
Δ9-Tetrahydrocannabihexol (Δ9-THCH) 0.024 0.071 0.87 8.74 Cannabinol Acetate (CBNO) 0.044 0.043 ND	Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Canabian Acetate (CBNO) 0.014 0.043 ND ND Δ9-Tetrchydrocannabiphorol (Δ9-THCP) 0.017 0.16 ND ND Δ8-Tetrchydrocannabiphorol (Δ8-THCP) 0.041 0.16 0.76 7.59 Cannabicitran (CBT) 0.005 0.16 ND ND Δ8-THC-O-acetate (Δ8-THCO) 0.07 0.16 ND ND 9(5)-HHCP (s-HHCP) 0.031 0.094 ND ND 9(5)-HHCP (s-HHCP) 0.066 0.16 ND ND 9(5)-HHCP (s-HHCP) 0.026 0.07 ND ND 9(5)-HHCP (s-HCP) 0.026 0.07 ND ND 10-14 C		0.024	0.071	0.87	8.74
Δ8-Tetrohydrocannabiphorol (Δ8-THCP) Cannabicitran (CBT)		0.014	0.043	ND	ND
Cannabicitran (CBT) 0.005 0.16 ND ND ΔB-THC-O-acetate (ΔB-THCO) 0.076 0.16 ND ND 9(S)-HHCP (s-HHCP) 0.031 0.094 ND ND Δ9-THC-O-acetate (ΔP-THCO) 0.066 0.16 ND ND 9(R)-HHCP (s-HHCP) 0.026 0.079 ND ND 9(S)-HHC-O-acetate (s-HHCO) 0.026 0.079 ND ND 9(S)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND 3-cetyl-ΔB-Tetrahydrocannabinal (ΔB-THC-CB) 0.067 0.204 ND ND 3-cetyl-ΔB-Tetrahydrocannabinal (ΔB-THC-CB) ND ND ND 4-9-THC (THCa ⁻ 0.877+ΔB-THC) ND ND ND Total THC (THCa ⁻ 0.877+ΔB-THC) ND ND ND Total CBD (CBDa ⁻ 0.877+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC+ΔB-THC-	Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	ND	ND
Cannabictran (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(S)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND 9(S)-HMC-O-acetate (s-HHCO) 0.005 0.16 ND ND 9(S)-HMC-O-acetate (s-HHCO) 0.005 0.16 ND ND 3-0-ctyl-Δ8-Terchydrocannabinol (Δ8-THC-C8) 0.007 0.00 ND ND 3-0-tyl-Δ8-Terchydrocannabinol (Δ8-THC-C9) ND ND ND ND 7-10-tall-HC (THCa*0-877+Δ9THC-ABTHC+ABTHC	Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	0.76	7.59
9(5)-HHCP (s-HHCP) 0.031 0.094 ND ND Δ9-THC-O-acetate (Δ9-THCO) 0.066 0.16 ND ND 9(8)-HHCP (r-HHCP) 0.026 0.079 ND ND 9(5)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND 3-octyl-Δ8-Tetrahydr-cannobinol (Δ8-THC-C8) 0.067 0.204 ND ND 3-ottyl-Δ8-Tetrahydr-cannobinol (Δ8-THC-C8) ND ND ND 7-ottyl-Δ8-Tetrahydr-Δ9THC) ND ND ND 7-otal THC (THCa 1-0.877 + Δ9THC) TO ND ND 7-otal CBG (C860 1-0.877 + Δ9THC) + Δ9THC + Δ10THC (THCa 1-0.877 + Δ9THC+Δ10THC) TO TO ND 7-otal CBG (C860 1-0.877 + C86) TO ND ND 7-otal CBG (C860 1-0.877 + C86) ND ND ND 7-otal CBG (C860 1-0.877 + C86) ND ND ND 7-otal CBG (C860 1-0.877 + C86) ND ND ND 7-otal CBG (C860 1-0.877 + C86) ND ND ND 7-otal CBG (C860 1-0.877 + C86) ND ND ND 7-otal CBG (C860 1-0.877 + C86) ND	Cannabicitran (CBT)	0.005	0.16	ND	ND
Δ-7-HC-O-acetate (Δ9-THCO)	Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND
Δ9-THC-O-acetate (Δ9-THCO)	9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
9(S)-HHC-O-acetate (s-HHCO) 0.005 0.16 ND ND 3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8) 0.067 0.204 ND ND Δ9-THC methyl ether (Δ9-MeO-THC) ND ND ND Total THC (THCα*0.877 + Δ9THC Δ10THC (THCα*0.877 + Δ9THC Δ10		0.066	0.16	ND	ND
9(9)-HHC-0-acetate (s-HHCO) 0.05 0.16 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 (1-10-0-377+Δ9THC) ND ND Total THC + Δ10THC (1-10-0-377+Δ9THC+Δ10THC) ND ND Total GBD (2B0a - 0.877+Δ9THC) ND ND Total GBD (2B0a - 0.877+CBD) ND ND Total GBG (2B0a - 0.877+CBG) ND ND Total CHBC (1-10-0-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND
Δ9-THC methyl ether (Δ9-MeO-THC) ND ND Total THC (THCa * 0.877 + Δ9THC) ND ND Total THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ10THC) 71.33 71.31 Total CBD (CBDa * 0.877 + CBG) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND Total CBG (FGGa * 0.877 + CBG) ND ND Total HHC (9*-HHC + 9*-HHC) ND ND	9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND
Δ9-THC methyl ether (Δ9-MeO-THC) ND ND Total THC (THCa * 0.877 + Δ9THC) ND ND Total THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ10THC) 71.33 71.31 Total CBD (CBDa * 0.877 + CBG) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND Total CBG (FGGa * 0.877 + CBG) ND ND Total HHC (9*-HHC + 9*-HHC) ND ND	3-octul-Δ8-Tetrahudrocannabinol (Δ8-THC-C8)			ND	ND
Total THC (ΤHCα * 0.877 + Δ9THC) ND ND Total THC + Δ8THC + Δ10THC (THCα * 0.877 + Δ9THC + Δ9THC + Δ10THC) 71.33 713.31 Total CBD (CBDa * 0.877 + CBD) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND					
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC) 71.33 713.31 Total CBD (CBDa * 0.877 + CBD) ND ND Total CBG (CBGa * 0.877 + CBG) ND ND Total CHHC (9r-HHC + 9s-HHC) ND ND					
Total CBD (CBDs * 0.877 + CBD) ND ND Total CBG (CBGs * 0.877 + CBG) ND ND Total HHC (9r-HHC + 9r-HHC) ND ND					
Total CBG (CBGa * 0.877 + CBG) ND ND Total HHC (9r-HHC + 9s-HHC) ND ND					
Total HHC (9r-HHC + 9s-HHC) ND ND					
	Total Cannabinoids			75.67	756.68

HME - Heavy Metals Detection Analysis

Analyzed Mar 16, 2023 | Instrument ICP/MSMS | Method SOP-005

Analyzed Tid 10, 2020 Medianici let / Tid 10 Technology										
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	
Arsenic (As)	0.0002	0.0005	0.00	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	<loq< td=""><td>0.5</td></loq<>	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
JULQL Above upper limit of linearity
CFU/g Colonyl Forming Units per 1 gram
TNTC Too Numerous to Count









Authorized Signature

Brandon Starr



MIBIG - Microbial Testing Analysis

Analyzed Mar 17, 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 Mar 20, 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 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 Mon, 20 Mar 2023 12:40:39 -0700



PES - Pesticides Screening Analysis

Analyzed Mar 20, 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	ND	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	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	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
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	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
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents Testing Analysis

Analyzed Mar 20, 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	5000.0	Butane (But)	0.4	40.0	ND	5000.0
Methanol (Metha)	0.4	40.0	ND	3000.0	Ethylene Oxide (EthOx)	0.4	0.8	ND	1.0
Pentane (Pen)	0.4	40.0	ND	5000.0	Ethanol (Ethan)	0.4	40.0	ND	5000.0
Ethyl Ether (EthEt)	0.4	40.0	ND	5000.0	Acetone (Acet)	0.4	40.0	<loq< td=""><td>5000.0</td></loq<>	5000.0
Isopropanol (2-Pro)	0.4	40.0	ND	5000.0	Acetonitrile (Acetonit)	0.4	40.0	ND	410.0
Methylene Chloride (MetCh)	0.4	0.8	<loq< td=""><td>1.0</td><td>Hexane (Hex)</td><td>0.4</td><td>40.0</td><td>ND</td><td>290.0</td></loq<>	1.0	Hexane (Hex)	0.4	40.0	ND	290.0
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000.0	Chloroform (Clo)	0.4	0.8	ND	1.0
Benzene (Ben)	0.4	0.8	ND	1.0	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1.0
Heptane (Hep)	0.4	40.0	ND	5000.0	Trichloroethylene (TriClEth)	0.4	0.8	ND	1.0
Toluene (Toluene)	0.4	40.0	ND	890.0	Xulenes (Xul)	0.4	40.0	ND	2170.0

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Mar 14, 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 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 Mon, 20 Mar 2023 12:40:39 -0700

