QA Testing

PharmLabs San Diego Certificate of Analysis

Sample **B070224 D9 D8 HHC HHCP THCP CBN**

SDPharmLabs

Delta9 THC **0.34%**	THCa **ND**	Total THC (THCa * 0.877 + THC) **0.34%**	Delta8 THC **2.17%**

Sample ID **SD240710-035 (94009)** Matrix **Edible/Tincture (Other Cannabis Good)**

Tested for **Mako Inc.**

Sampled **-** Received **Jul 10, 2024** Reported **Jul 11, 2024**

Analyses executed **CANX, D9C** Unit Mass (g) **54.29** Num. of Servings **12** Serving Size (g) **4.52**

Summary D9C: **The total Δ9-THC content in this sample is 0.34%. For the most accurate Δ9-THC concentration, refer to the GC MS/MS section of this COA.** This sample was tested using HPLC and GC MS/MS. HPLC analysis can yield inconsistent results for **Δ8-THC** and **Δ9-THC** due to isomer interference: GC MS/MS was employed to avoid this issue. Please note, if **THCa** is present, the **Δ9-THC** level measured by GC MS/MS might be higher due to decarboxylation.

D9C - D9 Confirmation Analysis

Analyzed **Jul 11, 2024** | Instrument **GC MS/MS** | Method **SOP-041 D9C**

The expanded Uncertainty of the analysis is approximately **±7.806**% at the 95% Confidence Level

Analyte	LOD ppb	LOQ ppb	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
Δ4(8)-iso-Tetrahydrocannabinol (Δ4(8)-iso-THC)	1.198	3.632	0.12	1.15	5.20	62.43
Δ9-Tetrahydrocannabinol (Δ9-THC)	1.462	4.432	0.34	3.44	15.55	186.76
Total Δ9-THC			0.34	3.44	15.55	186.76
Total Cannabinoids Analyzed	-	-	0.46	4.59	20.75	249.19

CANX - Cannabinoids Analysis

Analyzed **Jul 11, 2024** | Instrument **HPLC-VWD** | Method **SOP-001**

The expanded Uncertainty of the Cannabinoid analysis is approximately **±7.806**% at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Serving	Result mg/Unit
11-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND	ND
Cannabidiorcin (CBDO)	0.002	0.007	ND	ND	ND	ND
Abnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND	ND	ND
(+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND	ND
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND	ND	ND
1(S)-Tetrahydrocannabidiol (1(S)-H4-CBD)	0.013	0.041	ND	ND	ND	ND
1(R)-Tetrahydrocannabidiol (1(R)-H4-CBD)	0.025	0.075	ND	ND	ND	ND
Tetrahydrocannabivarin (THCV)	0.001	0.16	0.00	0.03	0.14	1.63
Δ8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	0.01	0.08	0.36	4.34
Cannabidihexol (CBDH)	0.005	0.16	ND	ND	ND	ND
Tetrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND	ND	ND
Cannabinol (CBN)	0.001	0.16	0.22	2.19	9.90	118.90
Cannabidiphorol (CBDP)	0.015	0.047	ND	ND	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	0.34	3.39	13.56	162.72
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	2.17	21.67	97.95	1176.46
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	0.16	1.63	7.37	88.49
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	0.54	5.37	24.27	291.54
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	ND
Δ9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	0.00	0.03	0.14	1.63
Δ9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	0.03	0.33	1.49	17.92
Δ8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND	ND	ND
Cannabicitran (CBT)	0.005	0.16	0.01	0.05	0.23	2.71
Δ8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	0.00	0.03	0.14	1.63
Δ9-THC-O-acetate (Δ9-THCO)	0.066	0.16	ND	ND	ND	ND
9(R)-HHCP (r-HHCP)	0.026	0.079	0.04	0.35	1.58	19.00
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND	ND
9(R)-HHC-O-acetate (r-HHCO)	0.008	0.025	ND	ND	ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			0.52	5.19	23.46	281.77
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			2.69	26.86	121.41	1458.23
Total CBD (CBDa * 0.877 + CBD)			ND	ND	ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			0.70	7.00	31.64	380.03
Total Cannabinoids Analyzed			3.70	36.95	167.01	2006.02

UI Unidentified
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 Colony Forming Units per 1 gram
TNTC Too Numerous to Count

PJLA Testing Acc. #85368

DCC license: C8-0000098-LIC
DEA license: RP0611043
ISO/IEC 17025:2017 Acc. L17-427-1

Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
Thu, 11 Jul 2024 13:43:21 -0700

PharmWare CANNABIS LABORATORY LIMS & ELN