PharmLabs San Diego Certificate of Analysis

Sample D8 Clear #79

Delta9 THC 5.17% THCa ND

Total THC (THCa * 0.877 + THC) 5.17%

Delta8 THC 78.68%



Sample ID SD240105-048 (87435)		Matrix Concentrate (Inhalable Cannabis Good)
Tested for PAPA Health Inc		
Sampled -	Received Jan 05, 2024	Reported Jan 19, 2024
Analyses executed CANX, D9C		

Summary D9C: The total $\Delta 9$ -THC content in this sample is 5.17%. For the most accurate $\Delta 9$ -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 $\Delta 8$ -THC and $\Delta 9$ -THC due to isomer interference: GC MS/MS was employed to avoid this issue. Please note, if THCa is present, the $\Delta 9$ -THC level measured by GC MS/MS might be higher due to decarboxylation.

D9C - D9 Confirmation Analysis

Analyzed Jan 19, 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
Δ 4(8)-iso-Tetrahydrocannabinol (Δ 4(8)-iso-THC)	1.198	3.632	5.44	54.44
Δ9-Tetrahydrocannabinol (Δ9-THC)	1.462	4.432	5.17	51.70
Total Δ9-THC			5.17	51.70
Total Cannabinoids Analyzed	-	-	10.61	106.14

CANx - Cannabinoids Analysis

Analyzed Jan 08, 2024 | Instrument HPLC-VWD | Method SOP-001

The expanded Uncertainty of the Cannabinoid analysis is approximately \$ 3.806 \% 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	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND
Cannabigeral (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND
1(S)-Tetrahydrocannabidiol (1(S)-H4-CBD)	0.013	0.041	ND	ND
1(R)-Tetrahydrocannabidiol (1(R)-H4-CBD)	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	ND	ND
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	12.01	120.12
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	78.68	786.81
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.126	0.42	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.118	0.39	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
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
Δ 9-Tetrahydrocannabiphorol (Δ 9-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 + A9THC)			12.01	120.12
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			90.69	906.93
Total CBD (CBDa * 0.877 + CBD)			ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND
Total HHC (9r-HHC + 9s-HHC)			ND	ND
Total Cannabinoids Analuzed			90.69	906.93

Sample photography



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 Forming Units per 1 gram
TNTC Too Numerous to Count



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Authorized Signature

Brandon Starr

