## PharmLabs San Diego Certificate of Analysis

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## sample Trap Trees Wookies THCA Flower (H)

Sample ID SD230719-007 (81373)		Matrix Flower (Inhalable Cannabis Good)		
Tested for Top Shelf Hemp Co				
Sampled -	Received Jul 18, 2023	Reported Jul 20, 2023		
Analyses everyted CANL MMA				

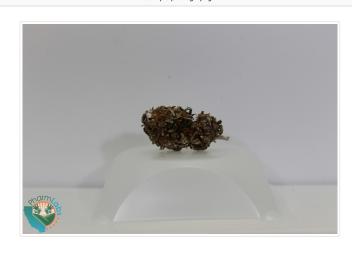
Laboratory note: The estimated concentration of the unknown peak in the sample is 0.59% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or 49-THC or 49-THC at this time there are no reference standards available for (+)d8-THC (+)d8-THC is a different compound from the main (-)d8-THC cannabinoid 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: 5.86%

## \* CAN+ - Cannabinoids Analysis

Analyzed Jul 20, 2023 | 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
Cannabidivarin (CBDV)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	8.10	80.98
Cannabigerol Acid (CBGA)	0.001	0.16	0.34	3.45
Cannabigerol (CBG)	0.001	0.16	0.08	0.78
Cannabidiol (CBD)	0.001	0.16	0.86	8.56
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	5.86	58.60
Cannabicyclol (CBL)	0.002	0.16	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	5.85	58.55
Total THC ( THCa * 0.877 + $\Delta$ 9THC )			5.13	51.35
Total THC + $\triangle$ 8THC ( THCa * 0.877 + $\triangle$ 9THC + $\triangle$ 8THC )			10.99	109.95
Total CBD ( CBDa * 0.877 + CBD )			7.96	79.58
Total CBG ( CBGa * 0.877 + CBG )			0.38	3.80
Total Cannabinoids			19.33	193.33



\*Dry Weight %

## MWA - Moisture Content & Water Activity Analysis

Analyzed Jul 20, 2023 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD %	LOQ %	Result	Limit	Analyte	LOD %	LOQ %	Result	Limit
Moisture (Moi)			9.3 % Mw	13 % Mw	Water Activity (WA)			0.63 a <sub>w</sub>	0.85 a <sub>w</sub>

UI Unidentified
ND Not Detected
N/A Not Applicable
NT Not Reported
LOD Limit of Detection
LOQ Limit of Quantification
-(LOQ Detected VIU.QL Above upper limit of linearity
CEVI/Q Colony Forming Units per 1 gram
TNTC Too Numerous to Count





Authorized Signature

Brandon Starr Brandon Starr, Lab Manager Thu, 20 Jul 2023 12:57:30 -0700

