

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 **Hemp Flower w/ HHC**

Sample ID SD221206-052 (56531)
Tested for Ancient Herbs Inc / Zilla
Sampled -
Analyses executed CANX, MWA

Laboratory note: The estimated concentration of the unknown peak in the sample is 0.55%. 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 and d9-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 and d9-THC with the majority, if not all, of the concentration being (+)-d8-THC. Total d8-THC is estimated to be 3.55%.

CANX - Cannabinoids Analysis

Analyzed Dec 07, 2022 | Instrument HPLC
Measurement Uncertainty at 95% confidence 7.81%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Sample photography
11-Hydroxy- Δ -Tetrahydrocannabivarin (11-Hyd- Δ 8-THCV)	0.013	0.041	ND	ND	
Cannabidiolcannabinol (CBDO)	0.002	0.007	ND	ND	
Abnormal Cannabidiolcannabinol (α -CBDO)	0.01	0.031	ND	ND	
(+/-)-9 β -hydroxy-Hexahydrocannabinol (9 β -HHC)	0.012	0.036	ND	ND	
11-Hydroxy- Δ -Tetrahydrocannabinol (11-Hyd- Δ 8-THC)	0.007	0.021	ND	ND	
Cannabidiolic Acid (CBDA)	0.001	0.16	8.98	89.82	
Cannabigerol Acid (CBGA)	0.001	0.16	0.13	1.29	
Cannabigerol (CBG)	0.001	0.16	0.06	0.56	
Cannabidiol (CBD)	0.001	0.16	4.87	48.69	
1(S)-THD (s-THD)	0.013	0.041	ND	ND	
1(R)-THD (r-THD)	0.025	0.075	ND	ND	
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	
Δ 8-tetrahydrocannabivarin (Δ 8-THCV)	0.021	0.064	ND	ND	
Tetrahydrocannabutol (Δ 9-THCB)	0.013	0.038	ND	ND	
Cannabinol (CBN)	0.001	0.16	ND	ND	
Cannabidiolphorol (CBDP)	0.015	0.047	ND	ND	
exo-THC (exo-THC)	0.016	0.8	ND	ND	
Tetrahydrocannabinol (Δ 9-THC)	0.003	0.16	UI	UI	
Δ 8-tetrahydrocannabinol (Δ 8-THC)	0.004	0.16	3.59	35.94	
(6aR,9S)- Δ 10-Tetrahydrocannabinol ((6aR,9S)- Δ 10)	0.015	0.16	ND	ND	
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND	
(6aR,9R)- Δ 10-Tetrahydrocannabinol ((6aR,9R)- Δ 10)	0.007	0.16	ND	ND	
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	0.21	2.07	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.15	1.46	
Δ 9-Tetrahydrocannabihexol (Δ 9-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	
Δ 8-Tetrahydrocannabiphorol (Δ 8-THCP)	0.041	0.16	ND	ND	
Δ 8-THC-O-acetate (Δ 8-THCO)	0.076	0.16	ND	ND	
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	
Δ 9-THC-O-acetate (Δ 9-THCO)	0.066	0.16	0.19	1.94	
9(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	
3-octyl- Δ 8-Tetrahydrocannabinol (Δ 8-THC-C8)	0.067	0.204	ND	ND	
Total THC (THCa * 0.877 + Δ 9THC)			0.13	1.28	
Total THC + Δ 8THC + Δ 10THC (THCa * 0.877 + Δ 9THC + Δ 8THC + Δ 10THC)			3.72	37.23	
Total CBD (CBDA * 0.877 + CBD)			12.75	127.46	
Total CBG (CBGa * 0.877 + CBG)			0.17	1.69	
Total HHC (9r-HHC + 9s-HHC)			0.21	2.07	
Total Cannabinoids			17.04	170.39	

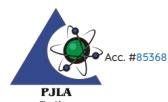
*Dru Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Dec 06, 2022 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	Result	Limit	Analyte	Result	Limit
Moisture (M _w)	7.1 % M _w	13 % M _w	Water Activity (W _A)	0.51 a _w	0.85 a _w

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



Authorized Signature

Brandon Stark

Brandon Starr, Lab Manager
Wed, 07 Dec 2022 13:04:56 -0800

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