

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-000098-LIC
 ISO/IEC 17025:2017 Acc. L17-427-1 #85368



Sample **Dosidos HHC Flower**

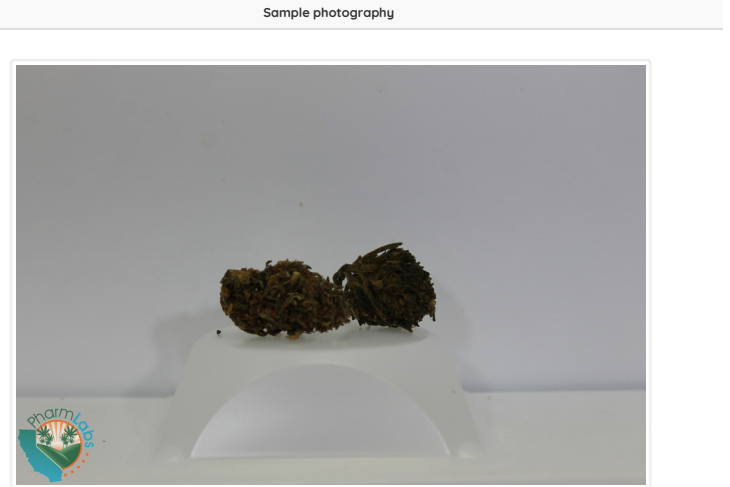
Sample ID	SD230718-079 (81385)	Matrix	Flower (Inhalable Cannabis Good)
Tested for	Top Shelf Hemp Co		
Sampled	-	Received	Jul 18, 2023
Analyses executed	CANX, MWA	Reported	Jul 20, 2023

Laboratory note: The estimated concentration of the unknown peak in the sample is 1.79% | 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 (+)-8-THC or d9-THC. At this time there are no reference standards available for (+)-8-THC (+)-8-THC is a different compound from the main (-)-8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)-8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)-8-THC and d9-THC with the majority, if not all, of the concentration being (+)-8-THC. Total (+/-) D8 Concentration is estimated to be: 5.76%

CANX - Cannabinoids Analysis

Analyzed Jul 20, 2023 | Instrument HPLC-VWD | Method SOP-001
 The expanded Uncertainty of the Cannabinoid analysis is approximately **±7.81%** at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND
Cannabidiol (CBD)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBDO)	0.01	0.031	ND	ND
(+/-)-9B-Hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	ND	ND
11-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	8.48	84.76
Cannabigerol Acid (CBGA)	0.001	0.16	0.36	3.56
Cannabigerol (CBG)	0.001	0.16	0.21	2.13
Cannabidiol (CBD)	0.001	0.16	1.11	11.12
1(S)-THD (s-THD)	0.013	0.041	ND	ND
1(R)-THD (r-THD)	0.025	0.075	ND	ND
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THCV)	0.021	0.064	ND	ND
Cannabidihexol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol (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	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	5.76	57.60
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	2.58	25.81
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	3.78	37.81
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.50	4.96
Δ9-Tetrahydrocannabinol (Δ9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
Δ9-Tetrahydrocannabinol (Δ9-THCP)	0.017	0.16	ND	ND
Δ8-Tetrahydrocannabinol (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
Δ9-THC methyl ether (Δ9-MeO-THC)			NT	NT
Total THC (THCA * 0.877 + Δ9THC)			0.44	4.35
Total THC + Δ8THC + Δ10THC (THCA * 0.877 + Δ9THC + Δ8THC + Δ10THC)			6.20	61.95
Total CBD (CBDA * 0.877 + CBD)			8.55	85.46
Total CBG (CBGA * 0.877 + CBG)			0.53	5.26
Total HHC (9r-HHC + 9s-HHC)			6.36	63.61
Total Cannabinoids			21.63	216.28



*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Jul 19, 2023 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	LOD %	LOQ %	Result	Limit	Analyte	LOD %	LOQ %	Result	Limit
Moisture (Moi)	0.0	0.0	7.8 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.55 aw	0.85 aw

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



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
 Thu, 20 Jul 2023 13:35:21 -0700

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Acc. L17-427-1

*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.

