

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 **D8 Switch Disposable 5g**

Sample ID	SD220803-003 (50202)	Matrix	Concentrate (Inhalable Cannabis Good)
Tested for	Gold Spectrum CBD		
Sampled	-	Received	Aug 02, 2022
Analyses executed	CANX	Reported	Aug 04, 2022

**Laboratory note:** The estimated concentration of the unknown peak in the sample is 4.46% | 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 (+)- $\delta^8$ -THC or  $\delta^9$ -THC. At this time there are no reference standards available for (+)- $\delta^8$ -THC. (+)- $\delta^8$ -THC is a different compound from the main (-)- $\delta^9$ -THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)- $\delta^8$ -THC and  $\delta^9$ -THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)- $\delta^8$ -THC and  $\delta^9$ -THC with the majority, if not all, of the concentration being (+)- $\delta^8$ -THC. Total (+/-)  $\delta^8$  Concentration is estimated to be 77.59%

**CANX - Cannabinoids Analysis**

Analyzed Aug 04, 2022 | Instrument HPLC-VWD | Method  
 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
11-Hydroxy- $\Delta^8$ -Tetrahydrocannabinol (11-Hyd- $\Delta^8$ -THCV)	0.013	0.041	NT	NT
Cannabidiol (CBDO)	0.002	0.007	NT	NT
Abnormal Cannabidiol (a-CBDO)	0.01	0.031	NT	NT
(+/-)-9B-Hydroxy-Hexahydrocannabinol (9b-HHC)	0.012	0.036	NT	NT
11-Hydroxy- $\Delta^8$ -Tetrahydrocannabinol (11-Hyd- $\Delta^8$ -THC)	0.007	0.021	NT	NT
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	ND	ND
1(S)-THD (s-THD)	0.013	0.041	NT	NT
1(R)-THD (r-THD)	0.025	0.075	NT	NT
Tetrahydrocannabinol (THCV)	0.001	0.16	ND	ND
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THCV)	0.021	0.064	NT	NT
Cannabidihexol (CBDH)	0.005	0.16	NT	NT
Tetrahydrocannabinol ( $\Delta^9$ -THCB)	0.013	0.038	NT	NT
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabiphoral (CBDP)	0.015	0.047	NT	NT
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta^9$ -THC)	0.003	0.16	UI	UI
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THC)	0.004	0.16	73.13	731.34
(6aR,9S)- $\Delta^{10}$ -Tetrahydrocannabinol ((6aR,9S)- $\Delta^{10}$ )	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	7.69	76.87
(6aR,9R)- $\Delta^{10}$ -Tetrahydrocannabinol ((6aR,9R)- $\Delta^{10}$ )	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	13.39	133.88
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
$\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	NT	NT
$\Delta^9$ -Tetrahydrocannabinol ( $\Delta^9$ -THCP)	0.017	0.16	1.59	15.93
$\Delta^8$ -Tetrahydrocannabinol ( $\Delta^8$ -THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	NT	NT
$\Delta^8$ -THC-O-acetate ( $\Delta^8$ -THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	NT	NT
$\Delta^9$ -THC-O-acetate ( $\Delta^9$ -THCO)	0.066	0.16	ND	ND
9(R)-HHCP (r-HHCP)	0.026	0.079	NT	NT
9(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	NT	NT
3-octyl- $\Delta^8$ -Tetrahydrocannabinol ( $\Delta^8$ -THC-C8)	0.067	0.204	NT	NT
$\Delta^9$ -THC methyl ether ( $\Delta^9$ -MeO-THC)			NT	NT
Cannabichromene (CBC)	0.002	0.16	ND	ND
Cannabidivarin (CBDV)	0.039	0.16	ND	ND
<b>Total THC (THCa + <math>\Delta^8</math>THC + <math>\Delta^9</math>THC)</b>			ND	ND
<b>Total THC + <math>\Delta^8</math>THC + <math>\Delta^{10}</math>THC (THCa + <math>\Delta^8</math>THC + <math>\Delta^9</math>THC + <math>\Delta^8</math>THC + <math>\Delta^{10}</math>THC)</b>			73.13	731.34
<b>Total CBD (CBDA + CBDa + CBD)</b>			ND	ND
<b>Total CBG (CBGa + CBGa + CBG)</b>			ND	ND
<b>Total HHC (9r-HHC + 9s-HHC)</b>			21.07	210.75
<b>Total Cannabinoids</b>			95.80	958.02

UI Not Identified  
 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



Scan the QR code to verify authenticity.

Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
 Thu, 04 Aug 2022 09:21:10 -0700

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