

Pg 33

PharmLabs San Diego Certificate of Analysis

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ISO/IEC 17025:2017 Acc. L17-427-1 #85368



Sample **Crunch Berries 10**

Sample ID SD231201-101 (87947)

Matrix Flower (Inhalable Cannabis Good)

Sampled - Received Dec 01, 2023  
Analyses executed CANX, MWA

Reported Dec 11, 2023

Laboratory note: The estimated concentration of the unknown peak in the sample is 0.81% | 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 d9-THC. At this time there are no reference standards available for (+)- $\delta$ 8-THC (+)- $\delta$ 8-THC is a different compound from the main (-)- $\delta$ 8-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 d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)- $\delta$ 8-THC and d9-THC with the majority, if not all, of the concentration being (+)- $\delta$ 8-THC. Total (+/-) D8 Concentration is estimated to be: 2.72%

CANX - Cannabinoids Analysis

Analyzed Dec 04, 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- $\delta$ 8-Tetrahydrocannabinol (11-Hyd- $\delta$ 8-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- $\delta$ 8-Tetrahydrocannabinol (11-Hyd- $\delta$ 8-THC)	0.007	0.021	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	17.36	173.56
Cannabigerol (CBGA)	0.001	0.16	0.45	4.51
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	0.52	5.15
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
$\delta$ 8-tetrahydrocannabinol ( $\delta$ 8-THCV)	0.021	0.064	ND	ND
Cannabidiol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol ( $\Delta$ 9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabiphorol (CBDP)	0.015	0.047	ND	ND
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	2.72	27.17
<del>(6aR,9S)-<math>\Delta</math>10-Tetrahydrocannabinol ((6aR,9S)-<math>\Delta</math>10)</del>	<del>0.015</del>	<del>0.16</del>	<del>0.43</del>	<del>4.30</del>
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	ND	ND
<del>(6aR,9R)-<math>\Delta</math>10-Tetrahydrocannabinol ((6aR,9R)-<math>\Delta</math>10)</del>	<del>0.007</del>	<del>0.16</del>	<del>5.01</del>	<del>50.07</del>
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.55	5.50
$\Delta$ 9-Tetrahydrocannabinol ( $\Delta$ 9-THCH)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNO)	0.014	0.043	ND	ND
$\Delta$ 9-Tetrahydrocannabiphorol ( $\Delta$ 9-THCP)	0.017	0.16	ND	ND
$\delta$ 8-Tetrahydrocannabiphorol ( $\delta$ 8-THCP)	0.041	0.16	ND	ND
Cannabicitran (CBT)	0.005	0.16	ND	ND
$\delta$ 8-THC-O-acetate ( $\delta$ 8-THCO)	0.076	0.16	ND	ND
9(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND
$\Delta$ 9-THC-O-acetate ( $\Delta$ 9-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- $\delta$ 8-Tetrahydrocannabinol ( $\delta$ 8-THC-C8)	0.067	0.204	ND	ND
$\Delta$ 9-THC methyl ether ( $\Delta$ 9-MeO-THC)			NT	NT
Total THC ( THCa * 0.877 + $\Delta$ 9THC )			0.48	4.82
Total THC + $\Delta$ 8THC + $\Delta$ 10THC ( THCa * 0.877 + $\Delta$ 9THC + $\Delta$ 8THC + $\Delta$ 10THC )			8.64	86.36
Total CBD ( CBDA * 0.877 + CBD )			15.74	157.36
Total CBG ( CBGA * 0.877 + CBG )			0.40	3.96
Total HHC ( 9r-HHC + 9s-HHC )			ND	ND
Total Cannabinoids			24.77	247.68

\*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Dec 04, 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	6.2 % Mw	13 % Mw	Water Activity (WA)	0.03	0.03	0.45 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  
>ULOL Above upper limit of linearity  
CFU/g Colony Forming Units per 1 gram  
TNTC Too Numerous to Count



Authorized Signature

*Brandon Starr*

Brandon Starr, Lab Manager  
Mon, 11 Dec 2023 13:38:56 -0800

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