

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 **platinum cookies**

Sample ID <b>SD230713-014 (76734)</b>	Matrix <b>Flower (Inhalable Cannabis Good)</b>
Tested for <b>Pinnacle Hemp</b>	
Sampled <b>-</b>	Received <b>Jul 12, 2023</b>
	Reported <b>Jul 14, 2023</b>
Analyses executed <b>CANX, MWA</b>	

**Laboratory note:** The estimated concentration of the unknown peak in the sample is 2.15%. 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 (-)-8-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 (-)-8-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)-8-THC and (-)-8-THC with the majority, if not all, of the concentration being (+)-8-THC. Total (+/-) 8-THC Concentration is estimated to be: 5.17%

**CANX - Cannabinoids Analysis**

Analyzed Jul 14, 2023 | Instrument HPLC-VWD | Method  
 The expanded Uncertainty of the Cannabinoid analysis is approximately **±.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 (CBDO)	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	<b>4.08</b>	<b>40.80</b>
Cannabigerol Acid (CBGA)	0.001	0.16	<b>6.09</b>	<b>60.90</b>
Cannabigerol (CBG)	0.001	0.16	<b>0.56</b>	<b>5.59</b>
Cannabidiol (CBD)	0.001	0.16	<b>2.47</b>	<b>24.71</b>
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	<b>0.31</b>	<b>3.05</b>
Cannabinol (CBN)	0.001	0.16	ND	ND
Cannabidiphoral (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	<b>5.17</b>	<b>51.70</b>
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	<b>0.06</b>	<b>0.62</b>
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	<b>0.23</b>	<b>2.35</b>
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	<b>14.30</b>	<b>143.05</b>
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)			ND	ND
3-octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND
Δ9-THC methyl ether (Δ9-MeO-THC)			ND	ND
Total THC (THCA * 0.877 + Δ9THC)			<b>12.55</b>	<b>125.45</b>
Total THC + Δ8THC + Δ10THC (THCA * 0.877 + Δ9THC + Δ8THC + Δ10THC)			<b>17.72</b>	<b>177.15</b>
Total CBD (CBDO * 0.877 + CBD)			<b>6.05</b>	<b>60.49</b>
Total CBG (CBGA * 0.877 + CBG)			<b>5.90</b>	<b>59.00</b>
Total HHC (9r-HHC + 9s-HHC)			<b>0.30</b>	<b>2.97</b>
Total Cannabinoids			<b>30.27</b>	<b>302.66</b>

Sample photography



\*Dry Weight %

**MWA - Moisture Content & Water Activity Analysis**

Analyzed Jul 13, 2023 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	Result	Limit	Analyte	Result	Limit
Moisture (Moi)	<b>7.4 % Mw</b>	13 % Mw	Water Activity (WA)	<b>0.52 a<sub>w</sub></b>	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  
 >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  
 Fri, 14 Jul 2023 13:01:59 -0700

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