

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 **Northern Lights 8**

Sample ID	SD230310-047 (68788)	Matrix	Flower (Inhalable Cannabis Good)
Sampled	-	Received	Mar 10, 2023
Analyses executed	CAN+, MWA		
Reported	Mar 14, 2023		

Laboratory note: The estimated concentration of the unknown peak in the sample is 5.28% | 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 (+)- δ^8 -THC or d9-THC. At this time there are no reference standards available for (+)- δ^8 -THC. (+)- δ^8 -THC is a different compound from the main (-)- δ^8 -THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)- δ^8 -THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)- δ^8 -THC and d9-THC with the majority, if not all, of the concentration being (+)- δ^8 -THC. Total (+/-) D8 Concentration is estimated to be: 26.84%

***CAN+ - Cannabinoids Analysis**

Analyzed Mar 14, 2023 | Instrument HPLC-VWD | Method SOP-001
 Measurement Uncertainty at 95% confidence 7.806%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	11.50	115.03
Cannabigerol Acid (CBGA)	0.001	0.16	0.26	2.65
Cannabigerol (CBG)	0.001	0.16	<LOQ	<LOQ
Cannabidiol (CBD)	0.001	0.16	1.18	11.79
Tetrahydrocannabivarin (THCV)	0.001	0.16	<LOQ	<LOQ
Cannabinol (CBN)	0.001	0.16	0.22	2.17
Tetrahydrocannabinol (Δ^9 -THC)	0.003	0.16	UI	UI
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.004	0.16	26.84	268.40
Cannabicyclol (CBL)	0.002	0.16	<LOQ	<LOQ
Cannabichromene (CBC)	0.002	0.16	0.26	2.60
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.34	3.42
Total THC (THCa * 0.877 + Δ^9THC)			0.30	3.00
Total THC + Δ^8THC (THCa * 0.877 + Δ^9THC + Δ^8THC)			27.14	271.40
Total CBD (CBDA * 0.877 + CBD)			11.27	112.66
Total CBG (CBGA * 0.877 + CBG)			0.23	2.32
Total Cannabinoids			39.12	391.16

*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

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

Analyte	Result	Limit	Analyte	Result	Limit
Moisture (Moi)	5.8 % Mw	13 % Mw	Water Activity (WA)	0.42 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
 >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
 Tue, 14 Mar 2023 16:28:37 -0700

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

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