

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 SD230606-052 (76789)	Matrix Flower (Inhalable Cannabis Good)
Sampled -	Received Jun 06, 2023
Analyses executed CAN+, MWA	Reported Jun 09, 2023

Laboratory note: The estimated concentration of the unknown peak in the sample is 0.22%. Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated DB products) from which we believe to be either (+)- Δ^8 -THC or Δ^9 -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 Δ^9 -THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)- Δ^8 -THC and Δ^9 -THC with the majority, if not all, of the concentration being (+)- Δ^8 -THC. Total (+)- Δ^8 -THC Concentration is estimated to be: 14.25%.

*CAN+ - Cannabinoids Analysis

Analyzed Jun 09, 2023 | Instrument HPLC-VWD | Method SOP-001
 The expanded Uncertainty of the Cannabinoid analysis is approximately $\pm 8.06\%$ at the 95% Confidence Level

Analyte	LOD mg/g	LOG mg/g	Result %	Result mg/g
Cannabidiol (CBD)	0.039	0.16	<LOQ	<LOQ
Cannabidiolic Acid (CBDA)	0.001	0.16	15.48	134.78
Cannabigerol Acid (CBGA)	0.001	0.16	0.35	3.28
Cannabigerol (CBG)	0.001	0.16	0.04	0.45
Cannabidiol (CBD)	0.001	0.16	0.66	6.65
Tetrahydrocannabinol (THCV)	0.001	0.16	<LOQ	<LOQ
Cannabinol (CBN)	0.001	0.16	0.18	1.76
Tetrahydrocannabinol (Δ^9 -THC)	0.003	0.16	UI	UI
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.004	0.16	14.26	142.60
Cannabicyclol (CBL)	0.002	0.16	0.16	1.62
Cannabichromene (CBC)	0.002	0.16	0.74	7.38
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.19	1.88
Total THC (THCa * 0.877 + Δ^9 THC)			0.17	1.65
Total THC + Δ^8 THC (THCa * 0.877 + Δ^9 THC + Δ^8 THC)			14.43	144.25
Total CBD (CBDA * 0.877 + CBD)			12.48	124.85
Total CBG (CBGA * 0.877 + CBG)			0.33	3.32
Total Cannabinoids			28.32	283.18

*Dry Weight %

MWA - Moisture Content & Water Activity Analysis

Analyzed Jun 08, 2023 | Instrument Chilled-mirror Dewpoint and Capacitance | Method SOP-008

Analyte	Result	Limit	Analyte	Result	Limit
Moisture (Mo)	8.1 % Mw	15 % Mw	Water Activity (WA)	0.56 aw	0.85 aw

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



Authorized Signature

Brandon Stahl

Brandon Stahl, Lab Manager
 Fri, 09 Jun 2023 09:11:02 -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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