

PharmLabs San Diego Certificate of Analysis



Sample Emerald OG 4g Disposable

Delta9 THC UI	THCa 2.06%	Total THC (THC + THCa) 2.06%	Delta8 THC 48.35%
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Sample ID SD240403-004 (92792) Matrix Concentrate (Inhalable Cannabis Good)
 Tested for Top Shelf Hemp Co
 Sampled - Received Apr 02, 2024 Reported Apr 05, 2024
 Analyses executed CANX, QARUSH

Laboratory note: The Δ9-THC results in this particular sample is inconclusive due to potential interferences from several cannabinoids when analyzed using our GC MS/MS D9C method. As a result, this sample will not undergo testing via the GC MS/MS D9C method. However, there are currently no interferences detected with any other cannabinoids in this sample when employing HPLC.

CANX - Cannabinoids Analysis

Analyzed Apr 05, 2024 | Instrument HPLC-VWD | Method SOP-001
 The expanded Uncertainty of the Cannabinoid analysis is approximately 8.806% 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 (CBD)	0.002	0.007	ND	ND
Abnormal Cannabidiol (a-CBD)	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	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.16	0.12	1.25
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	0.31	3.11
1(S)-THD (s-THD)	0.013	0.041	0.86	8.63
1(R)-THD (r-THD)	0.025	0.075	0.85	8.52
Tetrahydrocannabinol (THCV)	0.001	0.16	0.14	1.35
Δ8-tetrahydrocannabinol (Δ8-THCV)	0.021	0.064	0.80	7.95
Cannabihexol (CBDH)	0.005	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THCB)	0.013	0.038	ND	ND
Cannabinol (CBN)	0.001	0.16	0.56	5.63
Cannabiphoral (CBDP)	0.015	0.047	ND	ND
exo-THC (exo-THC)	0.005	0.16	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.005	0.16	UI	UI
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	48.35	483.54
(6aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S isomer) (9s-HHC)	0.017	0.16	7.17	71.68
(6aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R isomer) (9r-HHC)	0.016	0.16	13.25	132.50
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	2.35	23.54
Δ9-Tetrahydrocannabinol (Δ9-THC)	0.024	0.071	ND	ND
Cannabinol Acetate (CBNA)	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	0.26	2.62
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)	0.056	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-Δ8-Tetrahydrocannabinol (Δ8-THC-CB)	0.067	0.204	ND	ND
Cannabichromene (CBC)	0.002	0.16	ND	ND
Cannabivarin (CBV)	0.039	0.16	ND	ND
Total THC (THCa * 0.877 + Δ9THC)			2.06	20.64
Total THC + Δ8THC + Δ10THC (THCa * 0.877 + Δ9THC + Δ8THC + Δ10THC)			50.42	504.18
Total CBD (CBDA * 0.877 + CBD)			0.31	3.11
Total CBG (CBGA * 0.877 + CBG)			0.11	1.10
Total HHC (9r-HHC + 9s-HHC)			20.42	204.18
Total Cannabinoids Analyzed			74.73	747.27



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



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



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This Certificate of Analysis has not been finalized and it represents a draft until electronically signed by:

Brandon Starr, Lab Manager

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