

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 **Delta 8:Mandarin Orange**

Sample ID	SD221130-003 (54242)	Matrix	Tincture (Other Cannabis Good)	Batch ID	112201-210
Tested for	Crystal Creek Organics	Received	Nov 29, 2022	Reported	Dec 02, 2022
Analyses executed	CAN+	Unit Volume (mL)	30.0	Density (g/mL)	1.0

Laboratory note: The estimated concentration of the unknown peak in the sample is 0.72%. 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 (+)-THC or d9-THC. At this time there are no reference standards available for (+)-THC. (+)-THC is a different compound from the main (-)-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)-THC and d9-THC with the majority, if not all, of the concentration being (+)-THC. Total (+/-) D8 Concentration is estimated to be: 5.51%

CAN+ - Cannabinoids Analysis

Analyzed Nov 30, 2022 | Instrument HPLC-VWD | Method SOP-001
 Measurement Uncertainty at 95% confidence 7.806%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/mL	Result mg/Unit	Sample photography
Cannabidiol (CBD)	0.039	0.16	ND	ND	ND	
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND	
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND	
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND	
Cannabidiol (CBD)	0.001	0.16	5.80	58.01	1740.24	
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND	
Cannabinol (CBN)	0.001	0.16	ND	ND	ND	
Tetrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI	UI	
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	5.51	55.10	1652.88	
Cannabicyclol (CBL)	0.002	0.16	ND	ND	ND	
Cannabichromene (CBC)	0.002	0.16	ND	ND	ND	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND	
Total THC (THCa * 0.877 + Δ9THC)			ND	ND	ND	
Total THC + Δ8THC (THCa * 0.877 + Δ9THC + Δ8THC)			5.51	55.10	1652.88	
Total CBD (CBDA * 0.877 + CBD)			5.80	58.01	1740.24	
Total CBG (CBGA * 0.877 + CBG)			ND	ND	ND	
Total Cannabinoids			11.31	113.10	3593.12	



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



Scan the QR code to verify authenticity.

Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager
 Fri, 02 Dec 2022 15:39:54 -0800

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