

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-000098-LIC
ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368Sample **2g Disposable Pineapple Express**

Sample ID	SD220719-024 (49822)	Matrix	Concentrate (Inhalable Cannabis Good)
Tested for	Top Shelf Hemp Co	Reported	Jul 21, 2022
Sampled	-	Received	Jul 18, 2022
Analyses executed	QARUSH, CAN20	Unit Mass (g)	2.0

Laboratory note: The estimated concentration of the unknown peak in the sample is 9.7%. 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 (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a different compound from the main (-)d8-THC cannabinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)d8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)d8-THC and d9-THC with the majority, if not all, of the concentration being (+)d8-THC. Total cannabinoids, including the unidentified peak, is estimated to be 93.9%

CAN20 - Cannabinoids Analysis

Analyzed Jul 21, 2022 | Instrument HLPC

Measurement Uncertainty at 95% confidence 7.806%

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Package
Cannabidiarin (CBDV)	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	ND	ND	ND
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND
Cannabinol (CBN)	0.001	0.16	ND	ND	ND
exo-THC (exo-THC)	0.016	0.8	ND	ND	ND
Tetrahydrocannabinol (Δ 9-THC)	0.003	0.16	UI	UI	UI
Δ 8-tetrahydrocannabinol (Δ 8-THC)	0.004	0.16	77.00	769.96	1539.92
(6aR,9S)- Δ 10-Tetrahydrocannabinol ((6aR,9S)- Δ 10)	0.015	0.16	0.24	2.38	4.76
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	0.94	9.38	18.77
(6aR,9R)- Δ 10-Tetrahydrocannabinol ((6aR,9R)- Δ 10)	0.007	0.16	3.61	36.15	72.30
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	2.46	24.57	49.13
Cannabichromene (CBC)	0.002	0.16	ND	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND
Δ 9-Tetrahydrocannabiphorol (Δ 9-THCP)	0.017	0.16	ND	ND	ND
Δ 8-Tetrahydrocannabiphorol (Δ 8-THCP)	0.041	0.16	ND	ND	ND
Δ 8-THC-O-acetate (Δ 8-THC-O)	0.076	0.16	ND	ND	ND
Δ 9-THC-O-acetate (Δ 9-THC-O)	0.066	0.16	ND	ND	ND
Δ 8-Tetrahydrocannabivarin (Δ 8-THCV)			ND	ND	ND
Δ 9-Tetrahydrocannabihexol (Δ 9-THCH)			ND	ND	ND
Total THC (THCa * 0.877 + THC)			ND	ND	ND
Total CBD (CBDa * 0.877 + CBD)			ND	ND	ND
Total CBG (CBGa * 0.877 + CBG)			ND	ND	ND
Total HHC (9r-HHC + 9s-HHC)			3.39	33.95	67.90
TOTAL CANNABINOIDS			84.24	842.44	1684.88

Sample photography



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
 Thu, 21 Jul 2022 14:27:12 -0700

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