

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 #85368



Sample **Twisted - Pineapple Express**

Sample ID	SD220618-024 (49001)	Matrix	Concentrate (Inhalable Cannabis Good)
Tested for	TWISTED		
Sampled	-	Received	Jun 17, 2022
		Reported	Jun 20, 2022
Analyses executed	CAN20		

Laboratory note : The estimated concentration of the unknown peak in the sample is 2.7% | 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. The estimated total d8-THC concentration is 35.5%

CAN20 - Cannabinoids Analysis

Analyzed Jun 20, 2022 | Instrument HPLC
 Measurement Uncertainty at 95% confidence 7.806%

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
 Mon, 20 Jun 2022 14:05:19 -0700



*This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "as received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evaluation unless explicitly required by federal, state or local laws and has been reported on the certificate of analysis. Measurement of uncertainty is available upon request.

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidiol (CBDV)	0.039	0.16	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	0.61	6.05
Cannabigerol Acid (CBGA)	0.001	0.16	ND	ND
Cannabigerol (CBG)	0.001	0.16	ND	ND
Cannabidiol (CBD)	0.001	0.16	4.79	47.90
Tetrahydrocannabivarin (THCV)	0.001	0.16	ND	ND
Cannabinol (CBN)	0.001	0.16	0.58	5.77
exo-THC (exo-THC)	0.016	0.8	ND	ND
Tetrahydrocannabinol (Δ^9 -THC)	0.003	0.16	UI	UI
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.004	0.16	32.83	328.32
(6aR,9S)- Δ^10 -Tetrahydrocannabinol ((6aR,9S)- Δ^10)	0.015	0.16	ND	ND
Hexahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	9.65	96.52
(6aR,9R)- Δ^10 -Tetrahydrocannabinol ((6aR,9R)- Δ^10)	0.007	0.16	ND	ND
Hexahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	19.75	197.48
Cannabichromene (CBC)	0.002	0.16	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND
Δ^9 -Tetrahydrocannabiphorol (Δ^9 -THCP)	0.017	0.16	0.87	8.65
Δ^8 -Tetrahydrocannabiphorol (Δ^8 -THCP)	0.041	0.16	ND	ND
Δ^8 -THC-O-acetate (Δ^8 -THC-O)	0.076	0.16	10.04	100.41
Δ^9 -THC-O-acetate (Δ^9 -THC-O)	0.066	0.16	0.60	5.95
Δ^8 -Tetrahydrocannabivarin (Δ^8 -THCV)			ND	ND
Δ^9 -Tetrahydrocannabihexol (Δ^9 -THCH)			ND	ND
Total THC (THCa * 0.877 + THC)			ND	ND
Total CBD (CBDa * 0.877 + CBD)			5.32	53.21
Total CBG (CBGa * 0.877 + CBG)			ND	ND
Total HHC (9r-HHC + 9s-HHC)			29.40	294.00
TOTAL CANNABINOIDS			79.64	796.45

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
 Mon, 20 Jun 2022 14:05:19 -0700

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