

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC  
ISO/IEC 17025:2017 Acc. L17-427-1 #85368



Sample **37-190081G-001**

PASSED AS CALIFORNIA INDUSTRIAL HEMP

Sample ID	SD200129-006 (36137)	Matrix	Hemp (Industrial)	Cultivar	Jack Pack
Company	Twisted Oak Seeds	Registration #	37-190081G	Email	egirard27@gmail.com
Sampler	Dept of Agriculture, Mark Lyles	Sampled	Jan 31, 2020 - 12:00 AM	Receiver	Vanessa Pinto
Address	2830 Miller Ranch Road, San Diego, CA 91978	GPS	32.715772, -116.933795	Received	Jan 30, 2020
Analyses executed	CAN	Acreage	1400 sq ft	Reported	Feb 12, 2020

Laboratory note: Tested by: Karina Pimentel - 1-30-2020- made amendment to the COA and changed Cultivar 2/12/2020 VLP

CAN - Cannabinoids Analysis

Analyzed Jan 31, 2020 | 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	LOQ mg/g	Result %	Result mg/g	Sample photography
Cannabidiolic Acid (CBDA)	0.001	0.16	4.89	48.88	
Cannabigerol (CBG)	0.001	0.16	ND	ND	
Cannabidiol (CBD)	0.001	0.16	0.77	7.73	
Cannabinol (CBN)	0.001	0.16	ND	ND	
Tetrahydrocannabinol ( $\Delta^9$ -THC)	0.003	0.16	0.07	0.69	
$\Delta^8$ -tetrahydrocannabinol ( $\Delta^8$ -THC)	0.004	0.16	NT	NT	
(6aR,9S)- $\Delta^{10}$ -Tetrahydrocannabinol ((6aR,9S)- $\Delta^{10}$ )	0.015	0.16	NT	NT	
(6aR,9R)- $\Delta^{10}$ -Tetrahydrocannabinol ((6aR,9R)- $\Delta^{10}$ )	0.007	0.16	NT	NT	
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.16	1.64	
Total THC ( THCa * 0.877 + $\Delta^9$ THC )			0.21	2.13	
Total CBD ( CBDA * 0.877 + CBD )			5.06	50.60	
Total Cannabinoids Analyzed			5.27	52.73	

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



DCC license: C8-0000098-LIC  
DEA license: RP0611043  
ISO/IEC 17025:2017 Acc. L17-427-1



Scan the QR code to verify authenticity.

Authorized Signature

Clarence Gillett

Dr. Clarence Gillett, PhD, VP of Scientific Operations  
Wed, 12 Feb 2020 14:08:24 -0800

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



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