

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
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 (Δ^9 -THC)	0.003	0.16	0.07	0.69
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.004	0.16	NT	NT
(6aR,9S)- Δ^{10} -Tetrahydrocannabinol ((6aR,9S)- Δ^{10})	0.015	0.16	NT	NT
(6aR,9R)- Δ^{10} -Tetrahydrocannabinol ((6aR,9R)- Δ^{10})	0.007	0.16	NT	NT
Tetrahydrocannabinolic Acid (THCA)	0.001	0.16	0.16	1.64
Total THC (THCa * 0.877 + Δ^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 Limit of Quantification
<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

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