

PharmLabs San Diego Certificate of Analysis 3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-17-0000008-TEMP  
ISO/IEC 17025:2005 Certification L17-427-1 | Accreditation #85368Sample **CBD Isolate**

Sample ID	SD181113-005 (32990)	Matrix	Isolate (Inhalable Cannabis Product)	Sample Size	Batch Size	Batch ID
Distributor License	30-0353162	Address	38426 N Hazelwood Circle, Cave Creek AZ 85331	Name	CBD Unlimited	
Sampled	-	Received	Nov 13, 2018	Reported	Nov 16, 2018	

Analyses executed CAN, TER, RES

## CAN - Cannabinoid Profile Analysis

Analyzed Nov 16, 2018 | Instrument HPLC | Method M-004, SOP-009, SOP-015, SOP-019

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g
Tetrahydrocannabinol (THC)	0.04	0.15	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.03	0.11	ND	ND
Cannabidiol (CBD)	0.01	0.04	≥ 99	≥ 990
Cannabidiolic Acid (CBDA)	0.01	0.02	ND	ND
Cannabinol (CBN)	0.03	0.1	ND	ND
Cannabigerol (CBG)	0.03	0.09	ND	ND
Total THC (THCa * 0.877 + THC)			0.00	0.00
Total CBD (CBDa * 0.877 + CBD)			≥ 99.00	≥ 990.00

## RES - Residual Solvents Testing Analysis

Analyzed Nov 14, 2018 | Instrument GC/FID with Headspace Analyzer | Method M-002, SOP-013, SOP-018, SOP-02

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.2	0.5	ND	5000	Ethylene Oxide (EthOx)	0.2	0.5	ND	0
Butane (But)	0.2	0.5	ND	5000	Methanol (Metha)	0.2	0.5	ND	400
Pentane (Pen)	0.2	0.5	ND	5000	Ethanol (Ethan)	0.2	0.5	ND	5000
Ethyl Ether (EthEt)	0.2	0.5	ND	5000	Acetone (Acet)	0.2	0.5	ND	3100
Isopropanol (2-Pro)	0.2	0.5	ND	320	Acetonitrile (Acetonit)	0.2	0.5	ND	6
Methylene Chloride (MetCh)	0.2	0.5	ND	0	Hexane (Hex)	0.2	0.5	ND	70
Ethyl Acetate (EthAc)	0.2	0.5	ND	5000	Chloroform (Clo)	0.2	0.5	ND	0
Benzene (Ben)	0.2	0.5	ND	0	1-2-Dichloroethane (12-Dich)	0.2	0.5	ND	0
Heptane (Hep)	0.2	0.5	152.5	5000	Trichloroethylene (TriClEth)	0.2	0.5	ND	0
Toluene (Toluene)	0.2	0.5	ND	30	O,M,P-Xylene (tot-xy)	0.2	0.5	ND	10

NT Not Tested  
 ND Not Detected  
 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



PJLA  
 Testing  
 Accreditation #85368



Scan the QR code to  
 verify authenticity.

Authorized Signature

Melissa Nutter - Lab Director  
 Fri, 16 Nov 2018 09:50:33 -0800

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2005 Certification L17-427-1

\*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.

# TER - Terpenes Testing Analysis

Analyzed Nov 15, 2018 | Instrument GC/FID with Headspace Analyzer | Method M-003, SOP-017, SOP-014, SOP-021

Analyte	(%)	(mg/g)	Analyte	(%)	(mg/g)
$\alpha$ -Pinene ( $\alpha$ -Pin)	ND	ND	Camphene (Cam)	ND	ND
Myrcene (Myr)	ND	ND	b-Pinene (b-Pin)	ND	ND
3-Carene (3-Car)	ND	ND	$\alpha$ -Terpinene ( $\alpha$ -Ter)	ND	ND
$\alpha$ -Ocimene ( $\alpha$ -Oci)	ND	ND	Limonene (Lim)	ND	ND
p-Cymene (p-Cym)	ND	ND	b-Ocimene (b-Oci)	ND	ND
Eucalyptol (Euc)	ND	ND	g-Terpinene (g-Ter)	ND	ND
Terpenolene (Terp)	ND	ND	Linalool (Lin)	ND	ND
Isopulegol (Isop)	ND	ND	Geraniol (Gera)	ND	ND
b-Caryophyllene (b-Cary)	ND	ND	$\alpha$ -Humulene (Hum)	ND	ND
cis-Nerolidol (ci-Ner)	ND	ND	trans-Nerolidol (tr-Ner)	ND	ND
Guaiol (Gua)	ND	ND	Caryophyllene Oxide (CarOx)	ND	ND
$\alpha$ -bisabolol ( $\alpha$ -Bbis)	ND	ND			
<b>Total Terpene Concentration</b>				<b>0.00 %</b>	<b>0.00 mg/g</b>

NT Not Tested  
 ND Not Detected  
 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

*Melissa Nutter*

Melissa Nutter - Lab Director  
 Fri, 16 Nov 2018 09:50:33 -0800

PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2005 Certification L17-427-1

\*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.