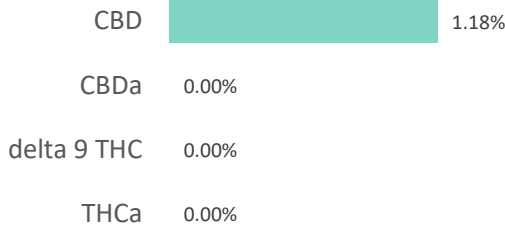
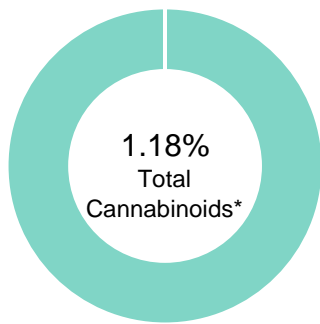


**330 mg CBD Isolate Pain Roll On**

<b>Batch ID:</b>	4	<b>Test ID:</b>	4974546.0040
<b>Reported:</b>	16-Aug-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.02	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.00	0.0
Cannabidiolic acid (CBDA)	0.02	0.00	0.0
Cannabidiol (CBD)	0.01	1.18	11.8
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.00	0.0
Cannabinolic Acid (CBNA)	0.02	0.00	0.0
Cannabinol (CBN)	0.01	0.00	0.0
Cannabigerolic acid (CBGA)	0.01	0.00	0.0
Cannabigerol (CBG)	0.01	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.01	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.01	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.02	0.00	0.0
Cannabidivarin (CBDV)	0.01	0.00	0.0
Cannabichromenic Acid (CBCA)	0.01	0.00	0.0
Cannabichromene (CBC)	0.01	0.00	0.0
<b>Total Cannabinoids</b>		<b>1.18</b>	<b>11.80</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		1.18	11.80


**NOTES:**

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)


\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Tyler Wiese  
 16-Aug-2019  
 5:30 PM

PREPARED BY / DATE



David Green  
 16-Aug-2019  
 5:32 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02





# Certificate of Analysis

Powered by Confident Cannabis  
2 of 2

## Xanadu CBD

3218 E BELL RD  
PHOENIX, AZ 85032  
gavin@xanaducbd.com  
(602) 206-2100  
Lic. #

Sample: 1908C4L0176.9542

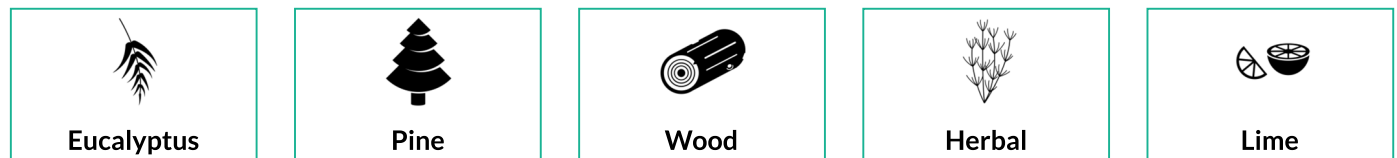
Strain: not specified  
Lot#: 0004; Batch#: 0004; Batch Size: 66 - grams  
Sample Received: 08/28/2019; Report Created: 09/03/2019; Expires: 09/03/2020

## Isolate 330mg Pain Roll On

Topical, Body Oil, CO2



## Terpenes



Analyte	LOQ	Mass	Mass	
	%	%	mg/g	
Eucalyptol	0.001	0.696	6.96	
α-Pinene	0.001	0.570	5.70	
γ-Terpinene	0.001	0.386	3.86	
p-Cymene	0.001	0.324	3.24	
α-Terpinene	0.001	0.198	1.98	
Ocimene	0.001	0.109	1.09	
δ-Limonene	0.001	0.099	0.99	
Terpinolene	0.001	0.070	0.70	
Camphene	0.001	0.045	0.45	
β-Myrcene	0.001	0.020	0.20	
β-Pinene	0.001	0.014	0.14	
Linalool	0.001	0.003	0.03	
α-Humulene	0.001	ND	ND	
β-Caryophyllene	0.001	ND	ND	
Caryophyllene Oxide	0.001	ND	ND	
δ-3-Carene	0.001	ND	ND	
Geraniol	0.001	ND	ND	
Guaiol	0.001	ND	ND	
Nerolidol	0.001	ND	ND	
(-)-α-Bisabolol	0.001	ND	ND	
(-)-Isopulegol	0.001	ND	ND	

**2.534%**  
Total Terpenes

**Pass**  
Foreign Matter

Notes: Chromatograms available upon request.  
LOQ = Limit of Quantitation; NR = Not Reported; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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Aaron Hicks  
Director of Laboratory Operations



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**330MG CBD ISOLATE PAIN ROLL ON**

<b>Batch ID:</b>	0004	<b>Test ID:</b>	5207044.045
<b>Reported:</b>	13-Aug-2019	<b>Method:</b>	TM04
<b>Type:</b>	Topical		
<b>Test:</b>	Residual Solvents		

**RESIDUAL SOLVENTS**

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

**NOTES:**

Free from visual mold, mildew, and foreign matter.

**FINAL APPROVAL**

 Sam Smith 13-Aug-2019 6:25 AM	 Greg Zimpfer 13-Aug-2019 7:45 AM
---	---

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



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