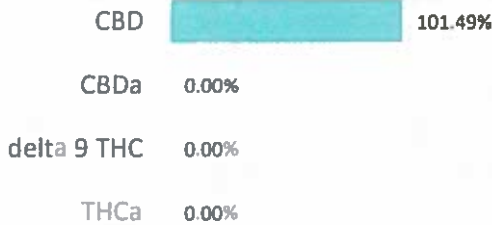
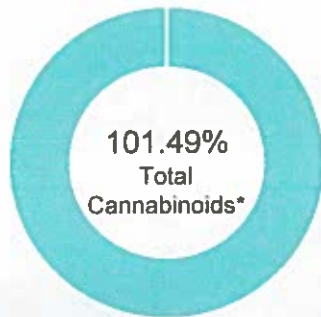


CBD Isolate

Batch ID:	JD-036	Test ID:	6190183.008
Reported:	6-Jun-2019	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.34	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.17	0.00	0.0
Cannabidiolic acid (CBDA)	0.32	0.00	0.0
Cannabidiol (CBD)	0.18	101.49	1014.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.19	0.00	0.0
Cannabinolic Acid (CBNA)	0.47	0.00	0.0
Cannabinol (CBN)	0.21	0.00	0.0
Cannabigerolic acid (CBGA)	0.30	0.00	0.0
Cannabigerol (CBG)	0.17	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.29	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.15	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.30	0.00	0.0
Cannabidivarin (CBDV)	0.16	0.00	0.0
Cannabichromenic Acid (CBCA)	0.25	0.00	0.0
Cannabichromene (CBC)	0.31	0.00	0.0
Total Cannabinoids		101.49	1014.90
Total Potential THC**		0.00	0.00
Total Potential CBD**		101.49	1014.90

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.

Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

FINAL APPROVAL

Daniel Weidensaul
 6-Jun-2019
 10:49 AM

PREPARED BY / DATE


Greg Zimpfer
 6-Jun-2019
 11:13 AM

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 #4329.02

CBD ISOLATE

Batch ID:	JD-036	Test ID:	8112516.050
Reported:	6-Jun-2019	Method:	TM04
Type:	Concentrate		
Test:	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	439
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:

Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

 Alex Smith
 6-Jun-2019
 3:38 PM


 Greg Zimpfer
 6-Jun-2019
 4:06 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02



CBD Isolate

Batch ID:	JD-036	Test ID:	9797956.006
Reported:	6-Jun-2019	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

* CFU/g = Colony Forming Unit per Gram

** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: $10^2 = 100$ CFU
 $10^3 = 1,000$ CFU
 $10^4 = 10,000$ CFU
 $10^5 = 100,000$ CFU

NOTES:

Free from visual mold, mildew, and foreign matter
 TYM: None Detected
 Total Aerobic: None Detected
 Coliforms: None Detected

FINAL APPROVAL

Vicente Contreras
 6-Jun-2019
 5:33 PM

David Green
 6-Jun-2019
 5:49 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Services, LLC, in the condition it was received. Botanacor Services, 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 Services, LLC.