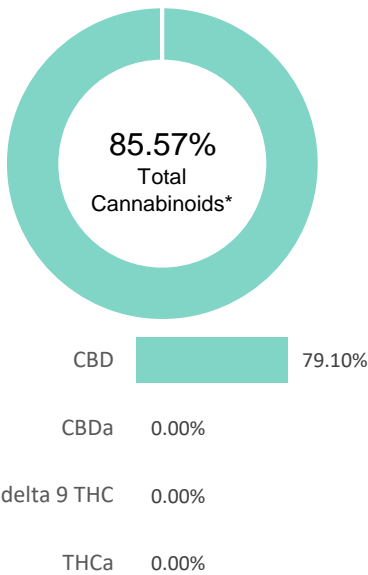


Broad Spec

Batch ID:	HPCBD-0701-00011	Test ID:	T000118128
Type:	Concentrate	Submitted:	01/08/2021 @ 09:15 AM
Test:	Potency	Started:	1/11/2021
Method:	TM14	Reported:	1/12/2021

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.09	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	ND	ND
Cannabidiolic acid (CBDA)	0.16	ND	ND
Cannabidiol (CBD)	0.15	79.10	791.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	ND	ND
Cannabinolic Acid (CBNA)	0.06	ND	ND
Cannabinol (CBN)	0.03	0.15	1.5
Cannabigerolic acid (CBGA)	0.09	ND	ND
Cannabigerol (CBG)	0.02	4.52	45.2
Tetrahydrocannabivarinic Acid (THCVA)	0.08	ND	ND
Tetrahydrocannabivarin (THCV)	0.02	0.06	0.6
Cannabidivarinic Acid (CBDVA)	0.07	ND	ND
Cannabidivarin (CBDV)	0.04	1.74	17.4
Cannabichromenic Acid (CBCA)	0.04	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
Total Cannabinoids		85.57	855.7
Total Potential THC**		ND	ND
Total Potential CBD**		79.10	791.0

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))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL

	Daniel Weidensaul 12-Jan-2021 1:33 PM		Ben Minton 12-Jan-2021 6:51 PM
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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



Certificate #4329.02

Broad Spec

Batch ID:	HPCBD-0701-00011	Test ID:	T000119252
Type:	Concentrate	Submitted:	01/15/2021 @ 09:02 AM
Test:	Residual Solvents	Started:	1/15/2021
Method:	TM04	Reported:	1/15/2021


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	103 - 2054	*ND
Butanes (Isobutane, n-Butane)	195 - 3895	*ND
Methanol	55 - 1104	*ND
Pentane	95 - 1910	*ND
Ethanol	98 - 1968	*ND
Acetone	95 - 1894	*ND
Isopropyl Alcohol	97 - 1933	*ND
Hexane	6 - 115	*ND
Ethyl Acetate	95 - 1905	*ND
Benzene	0.2 - 3.6	*ND
Heptanes	94 - 1886	*ND
Toluene	17 - 341	*ND
Xylenes (m,p,o-Xylenes)	124 - 2471	*ND


* ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
N/A

FINAL APPROVAL


 Ryan Weems
 15-Jan-2021
 4:10 PM

PREPARED BY / DATE


 Greg Zimpfer
 15-Jan-2021
 4:15 PM

APPROVED BY / DATE

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Certificate #4329.02

Broad Spec


Batch ID:	HPCBD-0701-00011	Test ID:	T000119251
Type:	Concentrate	Submitted:	01/15/2021 @ 09:02 AM
Test:	Metals	Started:	1/18/2021
Method:	TM19	Reported:	1/19/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.080 - 7.95	ND
Cadmium	0.077 - 7.66	ND
Mercury	0.079 - 7.91	ND
Lead	0.092 - 9.23	ND

* ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL


Sam Smith
19-Jan-2021
4:00 PM

PREPARED BY / DATE


Ben Minton
19-Jan-2021
6:28 PM

APPROVED BY / DATE

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Broad Spec

Batch ID:	HPCBD-0701-00011	Test ID:	T000119250
Type:	Concentrate	Submitted:	01/15/2021 @ 09:02 AM
Test:	Pesticides	Started:	1/19/2021
Method:	TM17	Reported:	1/20/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	44 - 2175	ND*	Malathion	270 - 2175	ND*
Acetamiprid	40 - 2175	ND*	Metalaxyl	42 - 2175	ND*
Abamectin	>323	ND*	Methiocarb	40 - 2175	ND*
Azoxystrobin	41 - 2175	ND*	Methomyl	42 - 2175	ND*
Bifenazate	35 - 2175	ND*	MGK 264 1	162 - 2175	ND*
Boscalid	39 - 2175	ND*	MGK 264 2	110 - 2175	ND*
Carbaryl	39 - 2175	ND*	Myclobutanil	44 - 2175	ND*
Carbofuran	38 - 2175	ND*	Naled	39 - 2175	ND*
Chlorantraniliprole	49 - 2175	ND*	Oxamyl	43 - 2175	ND*
Chlorpyrifos	28 - 2175	ND*	Paclobutrazol	40 - 2175	ND*
Clofentezine	263 - 2175	ND*	Permethrin	246 - 2175	ND*
Diazinon	271 - 2175	ND*	Phosmet	37 - 2175	ND*
Dichlorvos	>291	ND*	Prophos	261 - 2175	ND*
Dimethoate	41 - 2175	ND*	Propoxur	40 - 2175	ND*
E-Fenpyroximate	268 - 2175	ND*	Pyridaben	276 - 2175	ND*
Etofenprox	39 - 2175	ND*	Spinosad A	27 - 2175	ND*
Etoxazole	289 - 2175	ND*	Spinosad D	74 - 2175	ND*
Fenoxycarb	>44	ND*	Spiromesifen	>276	ND*
Fipronil	46 - 2175	ND*	Spirotetramat	>249	ND*
Flonicamid	38 - 2175	ND*	Spiroxamine 1	18 - 2175	ND*
Fludioxonil	>296	ND*	Spiroxamine 2	22 - 2175	ND*
Hexythiazox	42 - 2175	ND*	Tebuconazole	276 - 2175	ND*
Imazalil	269 - 2175	ND*	Thiacloprid	39 - 2175	ND*
Imidacloprid	48 - 2175	ND*	Thiamethoxam	43 - 2175	ND*
Kresoxim-methyl	44 - 2175	ND*	Trifloxystrobin	40 - 2175	ND*

* ND = None Detected (Defined by Dynamic Range of the method)

N/A

FINAL APPROVAL


 Tyler Wiese
 20-Jan-2021
 5:01 PM

PREPARED BY / DATE


 Greg Zimpfer
 20-Jan-2021
 11:09 PM

APPROVED BY / DATE

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