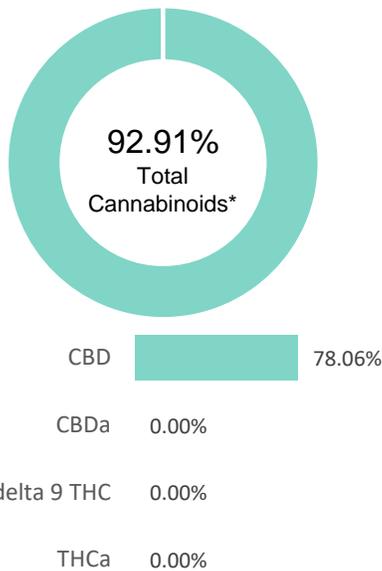


Broad Spectrum Hemp Extract

Batch ID:	PR201207	Test ID:	T000118435
Type:	Concentrate	Submitted:	01/11/2021 @ 11:23 AM
Test:	Potency	Started:	1/11/2021
Method:	TM14	Reported:	1/13/2021

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.12	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	ND	ND
Cannabidiolic acid (CBDA)	0.16	ND	ND
Cannabidiol (CBD)	0.15	78.06	780.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.16	ND	ND
Cannabinolic Acid (CBNA)	0.09	ND	ND
Cannabinol (CBN)	0.04	ND	ND
Cannabigerolic acid (CBGA)	0.13	ND	ND
Cannabigerol (CBG)	0.03	14.26	142.6
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.06	ND	ND
Cannabidivarin (CBDV)	0.04	0.40	4.0
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.05	0.19	1.9
Total Cannabinoids		92.91	929.1
Total Potential THC**		ND	ND
Total Potential CBD**		78.06	780.6

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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

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

FINAL APPROVAL

 Michele Gagnon 13-Jan-2021 12:13 PM	 Ben Minton 13-Jan-2021 1:17 PM
PREPARED BY / DATE	APPROVED BY / DATE

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Certificate #4329.02

Broad Spectrum Hemp Extract

Batch ID:	PR201207	Test ID:	T000118438
Type:	Concentrate	Submitted:	01/11/2021 @ 11:23 AM
Test:	Microbial Contaminants	Started:	1/12/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	1/15/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	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
Tori King
15-Jan-2021
1:29 PM
Greg Zimpfer
15-Jan-2021
4:10 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Broad Spectrum Hemp Extract

Batch ID:	PR201207	Test ID:	T000118439
Type:	Concentrate	Submitted:	01/11/2021 @ 11:23 AM
Test:	Pesticides	Started:	1/13/2021
Method:	TM17	Reported:	1/15/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	62 - 2560	ND*	Malathion	305 - 2560	ND*
Acetamiprid	49 - 2560	ND*	Metalaxyl	44 - 2560	ND*
Abamectin	>325	ND*	Methiocarb	44 - 2560	ND*
Azoxystrobin	49 - 2560	ND*	Methomyl	47 - 2560	ND*
Bifenazate	42 - 2560	ND*	MGK 264 1	168 - 2560	ND*
Boscalid	47 - 2560	ND*	MGK 264 2	116 - 2560	ND*
Carbaryl	46 - 2560	ND*	Myclobutanil	39 - 2560	ND*
Carbofuran	45 - 2560	ND*	Naled	47 - 2560	ND*
Chlorantraniliprole	41 - 2560	ND*	Oxamyl	45 - 2560	ND*
Chlorpyrifos	44 - 2560	ND*	Paclobutrazol	43 - 2560	ND*
Clofentezine	296 - 2560	ND*	Permethrin	291 - 2560	ND*
Diazinon	292 - 2560	ND*	Phosmet	46 - 2560	ND*
Dichlorvos	>303	ND*	Prophos	320 - 2560	ND*
Dimethoate	46 - 2560	ND*	Propoxur	45 - 2560	ND*
E-Fenpyroximate	301 - 2560	ND*	Pyridaben	304 - 2560	ND*
Etofenprox	44 - 2560	ND*	Spinosad A	30 - 2560	ND*
Etoxazole	312 - 2560	ND*	Spinosad D	77 - 2560	ND*
Fenoxycarb	>47	ND*	Spiromesifen	>286	ND*
Fipronil	66 - 2560	ND*	Spirotetramat	>278	ND*
Flonicamid	59 - 2560	ND*	Spiroxamine 1	20 - 2560	ND*
Fludioxonil	>313	ND*	Spiroxamine 2	25 - 2560	ND*
Hexythiazox	45 - 2560	ND*	Tebuconazole	273 - 2560	ND*
Imazalil	263 - 2560	ND*	Thiacloprid	46 - 2560	ND*
Imidacloprid	51 - 2560	ND*	Thiamethoxam	51 - 2560	ND*
Kresoxim-methyl	47 - 2560	ND*	Trifloxystrobin	48 - 2560	ND*

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

N/A

FINAL APPROVAL

 **Sam Smith**
 15-Jan-2021
 9:01 AM

 **Ben Minton**
 15-Jan-2021
 12:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Broad Spectrum Hemp Extract

Batch ID:	PR201207	Test ID:	T000118440
Type:	Other	Submitted:	01/11/2021 @ 11:23 AM
Test:	Metals	Started:	1/14/2021
Method:	TM19	Reported:	1/15/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.058 - 5.84	ND
Cadmium	0.058 - 5.82	ND
Mercury	0.068 - 6.80	ND
Lead	0.068 - 6.78	ND

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

FINAL APPROVALDaniel Weidensaul
15-Jan-2021
11:03 AMBen Minton
15-Jan-2021
12:26 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Broad Spectrum Hemp Extract

Batch ID:	PR201207	Test ID:	T000118437
Type:	Concentrate	Submitted:	01/11/2021 @ 11:23 AM
Test:	Residual Solvents	Started:	1/13/2021
Method:	TM04	Reported:	1/13/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	115 - 2305	*ND
Butanes (Isobutane, n-Butane)	218 - 4356	*ND
Methanol	60 - 1192	*ND
Pentane	106 - 2128	215
Ethanol	107 - 2130	*ND
Acetone	102 - 2047	*ND
Isopropyl Alcohol	106 - 2123	*ND
Hexane	6 - 126	*ND
Ethyl Acetate	104 - 2081	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	103 - 2062	*ND
Toluene	18 - 363	*ND
Xylenes (m,p,o-Xylenes)	132 - 2636	*ND

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

NOTES:
N/A

FINAL APPROVAL


 Daniel Weidensaul
 13-Jan-2021
 2:11 PM

PREPARED BY / DATE


 Ben Minton
 13-Jan-2021
 2:16 PM

APPROVED BY / DATE

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