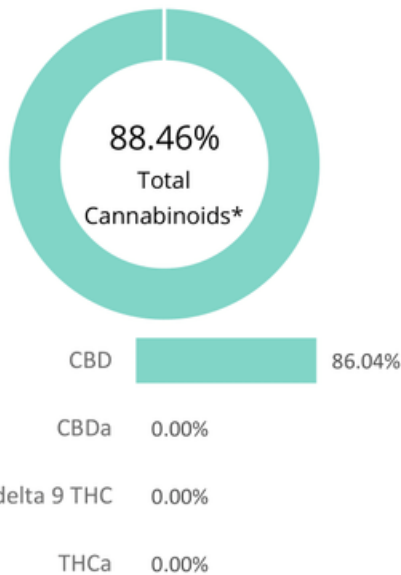


Broad Spectrum Hemp Extract

Batch ID: CB20219	Test ID: T000157928
Type: Concentrate	Submitted: 08/09/2021 @ 01:33 PM
Test: Potency	Started: 8/19/2021
Method: TM14 (HPLC-DAD)	Reported: 8/20/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.13	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	ND	ND
Cannabidiolic acid (CBDA)	0.20	ND	ND
Cannabidiol (CBD)	0.20	86.04	860.4
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	1.72	17.2
Tetrahydrocannabivarinic Acid (THCVA)	0.11	ND	ND
Tetrahydrocannabivarin (THCV)	0.03	ND	ND
Cannabidivarinic Acid (CBDVA)	0.08	ND	ND
Cannabidivarin (CBDV)	0.05	0.70	7.0
Cannabichromenic Acid (CBCA)	0.05	ND	ND
Cannabichromene (CBC)	0.06	ND	ND
Total Cannabinoids		88.46	884.6
Total Potential THC**		ND	ND
Total Potential CBD**		86.04	860.4

NOTES:

N/A

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

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


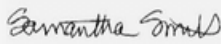
** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

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

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

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

FINAL APPROVAL

 Rvan Weems 20-Aug-2021 11:17 AM	 Sam Smith 20-Aug-2021 11:28 AM
PREPARED BY / DATE	APPROVED BY / DATE

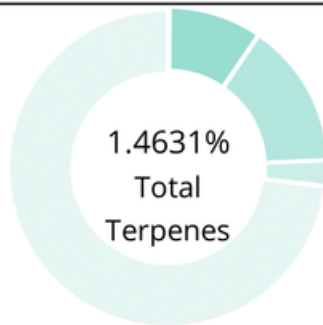
Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. 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



Broad Spectrum Hemp Extract

Batch ID:	CB20219	Test ID:	T000157929
Type:	Concentrate	Submitted:	08/09/2021 @ 01:33 PM
Test:	Terpenes	Started:	8/18/2021
Method:	TM22 (GC-MS)	Reported:	8/19/2021

TERPENE PROFILE



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.9477	9.477
Camphene	0.0000	0.000
delta-3-Carene	0.0000	0.000
beta-Caryophyllene	0.1916	1.916
(-)-Caryophyllene Oxide	0.0459	0.459
p-Cymene	0.0009	0.009
Eucalyptol	0.0136	0.136
Geraniol	0.0157	0.157
alpha-Humulene	0.0331	0.331
(-)-Isopulegol	0.0000	0.000
d-Limonene	0.0000	0.000
Linalool	0.1220	1.220
beta-Myrcene	0.0000	0.000
cis-Nerolidol	0.0000	0.000
trans-Nerolidol	0.0898	0.898
Ocimene	0.0000	0.000
beta-Ocimene	0.0000	0.000
alpha-Pinene	0.0000	0.000
(-)-beta-Pinene	0.0000	0.000
alpha-Terpinene	0.0014	0.014
gamma-Terpinene	0.0014	0.014
Terpinolene	0.0000	0.000
Total	1.4631	14.631

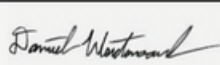
PREDOMINANT TERPENES


alpha-Pinene	0.0000
(-)-beta-Pinene	0.0000
beta-Myrcene	0.0000
delta-3-Carene	0.0000
alpha-Terpinene	0.0014
d-Limonene	0.0000
Linalool	0.1220
beta-Caryophyllene	0.1916
alpha-Humulene	0.0331
(-)-alpha-Bisabolol	0.9477

NOTES:

N/A

FINAL APPROVAL


 Daniel Weidensaul
 19-Aug-2021
 5:08 PM


 Rvan Weems
 19-Aug-2021
 5:10 PM

PREPARED BY / DATE

APPROVED BY / DATE

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 A2LA Certificate Number 4329.02



Certificate #4329.02

Broad Spectrum Hemp Extract

Batch ID:	CB20219	Test ID:	T000157931
Type:	Concentrate	Submitted:	08/09/2021 @ 01:33 PM
Test:	Metals	Started:	8/17/2021
Method:	TM19 (ICP-MS)	Reported:	8/18/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.045 - 4.48	ND
Cadmium	0.045 - 4.46	ND
Mercury	0.044 - 4.44	ND
Lead	0.041 - 4.14	ND

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

FINAL APPROVAL

 Ryan Weems
18-Aug-2021
4:04 PM

PREPARED BY / DATE

 Sam Smith
18-Aug-2021
4:15 PM

APPROVED BY / DATE

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Prepared for:

Broad Spectrum Hemp Extract
Colorado Botanicals

 Batch ID or Lot Number: **CB20219** Test: **Pesticides** Reported: **8/18/21**


Matrix: Concentrate Test ID: T000157930 Started: 8/17/21 USDA License: N/A

Status: N/A Method: TM17(LC-QQQ LC MS/MS): Received: 08/09/2021 @ 01:33 PM Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	35	ND	Fenoxycarb	33	ND	Paclobutrazol	39	ND
Acetamiprid	37	ND	Fipronil	57	ND	Permethrin	288	ND
Avermectin	309	ND	Flonicamid	40	ND	Phosmet	36	ND
Azoxystrobin	40	ND	Fludioxonil	299	ND	Prophos	282	ND
Bifenazate	37	ND	Hexythiazox	35	ND	Propoxur	39	ND
Boscalid	24	ND	Imazalil	286	ND	Pyridaben	298	ND
Carbaryl	35	ND	Imidacloprid	42	ND	Spinosad A	32	ND
Carbofuran	38	ND	Kresoxim-methyl	150	ND	Spinosad D	53	ND
Chlorantraniliprole	50	ND	Malathion	295	ND	Spiromesifen	306	ND
Chlorpyrifos	500	ND	Metalaxyl	38	ND	Spirotetramat	321	ND
Clofentezine	289	ND	Methiocarb	36	ND	Spiroxamine 1	15	ND
Diazinon	284	ND	Methomyl	38	ND	Spiroxamine 2	21	ND
Dichlorvos	288	ND	MGK 264 1	165	ND	Tebuconazole	312	ND
Dimethoate	41	ND	MGK 264 2	126	ND	Thiacloprid	38	ND
E-Fenpyroximate	302	ND	Myclobutanil	35	ND	Thiamethoxam	37	ND
Etofenprox	37	ND	Naled	44	ND	Trifloxystrobin	38	ND
Etoxazole	309	ND	Oxamyl	1500	ND			


 Sam Smith
 8/18/2021
 1:39:00 PM


 Taylor Brevik
 8/18/2021
 1:46:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

 LOQ = Limit of Quantification
 ppb = Parts per Billion

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.



Certificate #4329.02

Prepared for:

Broad Spectrum Hemp Extract
Colorado Botanicals


Batch ID or Lot Number: CB20219	Test: Residual Solvents	Reported: 8/17/21
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Matrix: N/A	Test ID: T000157932	Started: 8/16/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 08/09/2021 @ 01:33 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1695	*ND	
Butanes (Isobutane, n-Butane)	161 - 3215	*ND	
Methanol	62 - 1230	*ND	
Pentane	90 - 1798	*ND	
Ethanol	98 - 1958	*ND	
Acetone	101 - 2016	*ND	
Isopropyl Alcohol	107 - 2145	*ND	
Hexane	6 - 125	*ND	
Ethyl Acetate	103 - 2050	*ND	
Benzene	0 - 4	*ND	
Heptanes	96 - 1925	1205	
Toluene	18 - 368	*ND	
Xylenes (m,p,o-Xylenes)	134 - 2681	*ND	


 Taylor Brevik
 17-Aug-21
 1:37 PM

PREPARED BY / DATE


 Daniel Weidensaul
 17-Aug-21
 1:42 PM

APPROVED BY / DATE

Definitions

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

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