

B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Potency	Reported: 8/9/21	Location: N/A LONGMONT, COLORADO
Matrix: Concentrate	Test ID: T000154429	Started: 8/5/21	USDA License: N/A
Status: N/A	Method: TM14 (HPLC-DAD): Potency - Full Spectrum Analysis, 0.3% THC (Colorado Panel)	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

CANNABINOID PROFILE

Compound	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.003	0.008	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.003	0.009	0.031	0.31	N/A
Cannabidiolic acid (CBDA)	0.158	0.490	ND	ND	
Cannabidiol (CBD)	0.154	0.478	88.226	882.26	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.159	0.479	ND	ND	
Cannabinolic Acid (CBNA)	0.091	0.275	ND	ND	
Cannabinol (CBN)	0.042	0.126	0.355	3.55	
Cannabigerolic acid (CBGA)	0.133	0.402	ND	ND	
Cannabigerol (CBG)	0.032	0.096	1.060	10.60	
Tetrahydrocannabivarinic Acid (THCVA)	0.113	0.340	ND	ND	
Tetrahydrocannabivarin (THCV)	0.029	0.088	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.066	0.204	ND	ND	
Cannabidivarin (CBDV)	0.037	0.113	0.356	3.56	
Cannabichromenic Acid (CBCA)	0.051	0.155	ND	ND	
Cannabichromene (CBC)	0.056	0.170	0.786	7.86	
Total Cannabinoids			90.814	908.14	
Total Potential THC**			0.031	0.31	
Total Potential CBD**			88.226	882.26	



Taylor Brevik
09-Aug-2021
01:26 PM



Daniel Weidensaul
9-Aug-21
1:34 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** 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))

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

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

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.



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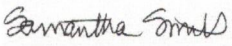
Certificate #4329.02

B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Pesticides	Reported: 8/9/21	Location: N/A LONGMONT, COLORADO
Matrix: Concentrate	Test ID: T000154430	Started: 8/3/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	54	ND	Fenoxycarb	54	ND	Pacllobutrazol	54	ND
Acetamiprid	54	ND	Fipronil	54	ND	Permethrin	324	ND
Avermectin	324	ND	Fonicamid	54	ND	Phosmet	54	ND
Azoxystrobin	54	ND	Fludioxonil	324	ND	Propos	324	ND
Bifenazate	54	ND	Hexythiazox	54	ND	Propoxur	54	ND
Boscalid	54	ND	Imazalil	324	ND	Pyridaben	324	ND
Carbaryl	54	ND	Imidacloprid	54	ND	Spinosad A	54	ND
Carbofuran	54	ND	Kresoxim-methyl	150	ND	Spinosad D	324	ND
Chlorantraniliprole	54	ND	Malathion	324	ND	Spiromesifen	324	ND
Chlorpyrifos	500	ND	Metalaxyl	54	ND	Spirotetramat	324	ND
Clofentezine	324	ND	Methiocarb	54	ND	Spiroxamine 1	54	ND
Diazinon	324	ND	Methomyl	54	ND	Spiroxamine 2	54	ND
Dichlorvos	324	ND	MGK 264 1	324	ND	Tebuconazole	324	ND
Dimethoate	54	ND	MGK 264 2	324	ND	Thiacloprid	54	ND
E-Fenpyroximate	324	ND	Myclobutanil	54	ND	Thiamethoxam	54	ND
Etofenprox	54	ND	Naled	54	ND	Trifloxystrobin	54	ND
Etoazole	324	ND	Oxamyl	1500	ND			


 Sam Smith
 8/4/2021
 11:32:00 AM


 Taylor Brevik
 8/9/2021
 11:10:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Metals	Reported: 8/4/21	Location: N/A LONGMONT, COLORADO
Matrix: Concentrate Co	Test ID: T000154432	Started: 8/3/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Arsenic	0.045 - 4.55	ND	
Cadmium	0.048 - 4.75	ND	
Mercury	0.047 - 4.75	ND	
Lead	0.044 - 4.43	ND	



Ryan Weems
 4-Aug-21
 2:32 PM

PREPARED BY / DATE



Sam Smith
 4-Aug-21
 2:35 PM

APPROVED BY / DATE

Definitions

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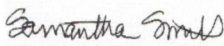
Certificate #4329.02

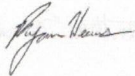
B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Residual Solvents	Reported: 8/2/21	Location: N/A LONGMONT, COLORADO
Matrix: N/A	Test ID: T000154433	Started: 7/30/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1531	*ND	
Butanes (Isobutane, n-Butane)	148 - 2961	*ND	
Methanol	62 - 1244	*ND	
Pentane	86 - 1714	*ND	
Ethanol	100 - 1999	*ND	
Acetone	101 - 2014	*ND	
Isopropyl Alcohol	109 - 2189	*ND	
Hexane	6 - 118	*ND	
Ethyl Acetate	102 - 2042	*ND	
Benzene	0 - 4	*ND	
Heptanes	95 - 1891	*ND	
Toluene	19 - 372	*ND	
Xylenes (m,p,o-Xylenes)	137 - 2742	*ND	


 Sam Smith
 2-Aug-21
 10:21 AM


 Ryan Weems
 2-Aug-21
 10:23 AM

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Definitions

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B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Mycotoxins	Reported: 8/6/21	Location: N/A LONGMONT, COLORADO
Matrix: Concentrate	Test ID: T000154434	Started: 8/5/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS); Mycotoxins (Colorado Panel)	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.2 - 136.6	ND	N/A
Aflatoxin B1	0.9 - 34.6	ND	
Aflatoxin B2	1.1 - 33.9	ND	
Aflatoxin G1	1 - 34.1	ND	
Aflatoxin G2	1.1 - 32.9	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 PREPARED BY / DATE
 Sam Smith
 6-Aug-21
 7:14 AM


 APPROVED BY / DATE
 Alex Smith
 6-Aug-21
 8:31 AM

Definitions

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

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B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Pesticides	Reported: 8/4/21	Location: N/A LONGMONT, COLORADO
Matrix: Concentrate	Test ID: T000154430	Started: 8/3/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	54	ND	Fenoxycarb	54	ND	Paclobutrazol	54	ND
Acetamiprid	54	ND	Fipronil	54	ND	Permethrin	324	ND
Avermectin	324	ND	Flonicamid	54	ND	Phosmet	54	ND
Azoxystrobin	54	ND	Fludioxonil	324	ND	Prophos	324	ND
Bifenazate	54	ND	Hexythiazox	54	ND	Propoxur	54	ND
Boscalid	54	ND	Imazalil	324	ND	Pyridaben	324	ND
Carbaryl	54	ND	Imidacloprid	54	ND	Spinosad A	54	ND
Carbofuran	54	ND	Kresoxim-methyl	150	ND	Spinosad D	324	ND
Chlorantraniliprole	54	ND	Malathion	324	ND	Spiromesifen	324	ND
Chlorpyrifos	500	ND	Metalaxyl	54	ND	Spirotetramat	324	ND
Clofentezine	324	ND	Methiocarb	54	ND	Spiroxamine 1	54	ND
Diazinon	324	ND	Methomyl	54	ND	Spiroxamine 2	54	ND
Dichlorvos	324	ND	MGK 264 1	324	ND	Tebuconazole	324	ND
Dimethoate	54	ND	MGK 264 2	324	ND	Thiacloprid	54	ND
E-Fenpyroximate	324	ND	Myclobutanil	54	ND	Thiamethoxam	54	ND
Etofenprox	54	ND	Naled	54	ND	Trifloxystrobin	54	ND
Etoxazole	324	ND	Oxamyl	1500	ND			

Sam Smith
8/4/2021
11:32:00 AM

Topher Baird

PREPARED BY / DATE

APPROVED BY / DATE

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Definitions

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ppb = Parts per Billion

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B-Spec Powder

Batch ID or Lot Number: 0201-01-001	Test: Microbial Contaminants	Reported: 8/2/21	Location: N/A LONGMONT, COLORADO
Matrix: Concentrate	Test ID: T000154431	Started: 7/29/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 07/29/2021 @ 10:44 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

Brianne Maillot
 Brianne Maillot
 8/2/2021
 11:03:00 AM

Sarah Henning
 Sarah Henning
 8/2/2021
 4:34:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

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

Examples:
 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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