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Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:

CBfarma

Rod. Antonio Heril, no. 6250, KM 6 Galpao 01, Bairro Itaipava, ITAJAI Brazil 88.318-112

3000mg FS Natural

Batch ID or Lot Number:	Test:	Reported:	USDA License:
240729	**Potency**	**26Jul2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000287011	26Jul2024	N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 24Jul2024	Status: Active

Cannabinoids

	LOD (%)	**LOQ** (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.013	0.044	0.733	7.33	
Cannabichromenic Acid (CBCA)	0.012	0.040	ND	ND	
Cannabidiol (CBD)	0.067	0.140	10.435	104.35	
Cannabidiolic Acid (CBDA)	0.069	0.144	ND	ND	
Cannabidivarin (CBDV)	0.016	0.033	0.083	0.83	
Cannabidivarinic Acid (CBDVA)	0.029	0.060	ND	ND	
Cannabigerol (CBG)	0.007	0.025	0.712	7.12	
Cannabigerolic Acid (CBGA)	0.031	0.105	ND	ND	
Cannabinol (CBN)	0.010	0.033	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.021	0.072	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.037	0.125	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.034	0.114	0.264	2.64	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.030	0.101	ND	ND	
Tetrahydrocannabivarin (THCV)	0.007	0.023	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	0.026	0.089	ND	ND	
Total Cannabinoids			**12.227**	**122.27**	
Total Potential THC			0.264	2.64	
Total Potential CBD			10.435	104.35	

Final Approval

Sam Smith
26Jul2024
01:28:00 PM MDT
PREPARED BY / DATE

Karen Winternheimer
26Jul2024
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Definitions
% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

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Batch ID or Lot Number:	Test:	Reported:	USDA License:
240729	**Heavy Metals**	**29Jul2024**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000272968	25Jul2024	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	24Jul2024	NA

Heavy Metals

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Arsenic	0.05 - 4.55	ND	
Cadmium	0.05 - 4.62	ND	
Mercury	0.05 - 4.53	ND	
Lead	0.05 - 4.52	ND	

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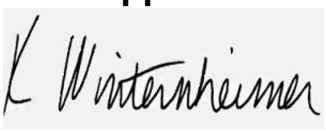

Karen Winternheimer
29Jul2024
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Sam Smith
29Jul2024
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APPROVED BY / DATE

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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Batch ID or Lot Number:	Test:	Reported:	USDA License:
240729	**Pesticides**	**29Jul2024**	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000272966	25Jul2024	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	24Jul2024	NA

Pesticides

	Dynamic Range (ppb)	**Result** (ppb)
Abamectin	392 - 2731	ND
Acephate	42 - 2664	ND
Acetamiprid	44 - 2648	ND
Azoxystrobin	47 - 2718	ND
Bifenazate	47 - 2741	ND
Boscalid	39 - 2707	ND
Carbaryl	42 - 2679	ND
Carbofuran	44 - 2687	ND
Chlorantraniliprole	38 - 2697	ND
Chlorpyrifos	54 - 2722	ND
Clofentezine	280 - 2713	ND
Diazinon	286 - 2720	ND
Dichlorvos	266 - 2715	ND
Dimethoate	44 - 2642	ND
E-Fenpyroximate	229 - 2831	ND
Etofenprox	49 - 2693	ND
Etoxazole	301 - 2626	ND
Fenoxycarb	43 - 2722	ND
Fipronil	61 - 2766	ND
Flonicamid	56 - 2698	ND
Fludioxonil	284 - 2706	ND
Hexythiazox	42 - 2735	ND
Imazalil	281 - 2771	ND
Imidacloprid	45 - 2681	ND
Kresoxim-methyl	45 - 2785	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	283 - 2748	ND
Metalaxyl	46 - 2742	ND
Methiocarb	44 - 2738	ND
Methomyl	45 - 2685	ND
MGK 264 1	164 - 1602	ND
MGK 264 2	127 - 1068	ND
Myclobutanil	44 - 2663	ND
Naled	49 - 2691	ND
Oxamyl	43 - 2699	ND
Paclobutrazol	44 - 2693	89
Permethrin	159 - 2746	ND
Phosmet	39 - 2612	ND
Prophos	306 - 2711	ND
Propoxur	47 - 2704	ND
Pyridaben	295 - 2707	ND
Spinosad A	34 - 2071	ND
Spinosad D	67 - 652	ND
Spiromesifen	290 - 2706	ND
Spirotetramat	295 - 2796	ND
Spiroxamine 1	15 - 1051	ND
Spiroxamine 2	24 - 1592	ND
Tebuconazole	297 - 2745	ND
Thiacloprid	45 - 2648	ND
Thiamethoxam	43 - 2686	ND
Trifloxystrobin	46 - 2706	ND

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Karen Winternheimer
29Jul2024
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Sam Smith
29Jul2024
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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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3000mg FS Natural

Batch ID or Lot Number:	Test:	Reported:	USDA License:
240729	**Mycotoxins**	**07Aug2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000272970	25Jul2024	N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 24Jul2024	Status: Active

Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	3.24 - 129.60	ND	
Aflatoxin B1	1.00 - 32.99	ND	
Aflatoxin B2	1.00 - 32.93	ND	
Aflatoxin G1	1.00 - 33.02	ND	
Aflatoxin G2	1.17 - 33.09	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

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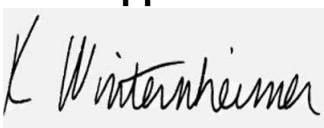

Karen Winternheimer
07Aug2024
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Sam Smith
07Aug2024
03:24:00 PM MDT

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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Batch ID or Lot Number:	Test:	Reported:	USDA License:
240729	**Microbial Contaminants**	**07Aug2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000272967	25Jul2024	N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 24Jul2024	Status: Active

Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10^0 CFU/25g	NA	Absent	
Salmonella	TM25: PCR	10^0 CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10^2 CFU/g	$1.0x10^3$ - $1.5x10^5$	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	$1.0x10^2$ - $1.5x10^4$	None Detected	

Final Approval

Eden Thompson-Wright
07Aug2024
03:01:00 PM MDT
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Brianne Maillot
07Aug2024
03:15:00 PM MDT
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https://results.botanacor.com/api/v1/coas/uuid/07ede335-c8fa-40e3-844f-b6dc635983fc

Definitions
* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Batch ID or Lot Number:	Test:	Reported:	USDA License:
240729	**Residual Solvents**	**26Jul2024**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000272969	25Jul2024	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	24Jul2024	Active

Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	85 - 1693	ND	
Butanes (Isobutane, n-Butane)	171 - 3429	ND	
Methanol	66 - 1328	ND	
Pentane	94 - 1873	ND	
Ethanol	96 - 1929	665	
Acetone	108 - 2158	ND	
Isopropyl Alcohol	109 - 2179	ND	
Hexane	7 - 136	ND	
Ethyl Acetate	110 - 2197	ND	
Benzene	0.2 - 4.5	ND	
Heptanes	104 - 2084	ND	
Toluene	20 - 393	ND	
Xylenes (m,p,o-Xylenes)	137 - 2746	ND	

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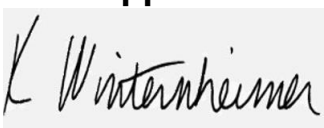

Karen Winternheimer
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Sam Smith
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Definitions
ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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