

CERTIFICATE OF ANALYSIS

Prepared for:

CBfarma


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


600mg FS Natural

Batch ID or Lot Number: 240729C	Test: Potency	Reported: 26Jul2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000287009	Started: 26Jul2024	Sampler ID: 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)	0.005	0.019	0.156	1.56	
Cannabichromenic Acid (CBCA)	0.005	0.017	ND	ND	
Cannabidiol (CBD)	0.028	0.059	2.219	22.19	
Cannabidiolic Acid (CBDA)	0.029	0.060	ND	ND	
Cannabidivarin (CBDV)	0.007	0.014	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.012	0.025	ND	ND	
Cannabigerol (CBG)	0.003	0.011	0.152	1.52	
Cannabigerolic Acid (CBGA)	0.013	0.044	ND	ND	
Cannabinol (CBN)	0.004	0.014	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.009	0.030	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.015	0.052	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.014	0.048	0.051	0.51	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.012	0.042	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.037	ND	ND	
Total Cannabinoids			2.578	25.78	
Total Potential THC			0.051	0.51	
Total Potential CBD			2.219	22.19	

Final Approval


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


 Karen Winternheimer
 26Jul2024
 01:30:00 PM MDT
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6fa6b0d7-379f-4ff0-8866-d5411b66757e>

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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Cert #4329.02

CDPHE Certified

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

600mg FS Natural

Batch ID or Lot Number: 240729C	Test: Residual Solvents	Reported: 29Jul2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000272969	Started: 26Jul2024	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 24Jul2024	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	85 - 1693	ND	Amendment to T000272969 issued on 08Mar2024 to correct the sample name.
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	

Final Approval



Karen Winternheimer
29Jul2024
02:03:00 PM MDT

PREPARED BY / DATE



Sam Smith
29Jul2024
03:39:00 PM MDT

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<https://results.botanacor.com/api/v1/coas/uuid/331b6403-7e87-4f97-94ec-7994208617db>

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


600mg FS Natural

Batch ID or Lot Number: 240729C	Test: Pesticides	Reported: 29Jul2024	USDA License: NA
Matrix: Concentrate	Test ID: T000272966	Started: 26Jul2024	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 24Jul2024	Status: NA

Pesticides


Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	392 - 2731	ND	Malathion	283 - 2748	ND
Acephate	42 - 2664	ND	Metalaxyl	46 - 2742	ND
Acetamiprid	44 - 2648	ND	Methiocarb	44 - 2738	ND
Azoxystrobin	47 - 2718	ND	Methomyl	45 - 2685	ND
Bifenazate	47 - 2741	ND	MGK 264 1	164 - 1602	ND
Boscalid	39 - 2707	ND	MGK 264 2	127 - 1068	ND
Carbaryl	42 - 2679	ND	Myclobutanil	44 - 2663	ND
Carbofuran	44 - 2687	ND	Naled	49 - 2691	ND
Chlorantraniliprole	38 - 2697	ND	Oxamyl	43 - 2699	ND
Chlorpyrifos	54 - 2722	ND	Pacllobutrazol	44 - 2693	89
Clofentezine	280 - 2713	ND	Permethrin	159 - 2746	ND
Diazinon	286 - 2720	ND	Phosmet	39 - 2612	ND
Dichlorvos	266 - 2715	ND	Prophos	306 - 2711	ND
Dimethoate	44 - 2642	ND	Propoxur	47 - 2704	ND
E-Fenproximate	229 - 2831	ND	Pyridaben	295 - 2707	ND
Etofenprox	49 - 2693	ND	Spinosad A	34 - 2071	ND
Etoazole	301 - 2626	ND	Spinosad D	67 - 652	ND
Fenoxycarb	43 - 2722	ND	Spiromesifen	290 - 2706	ND
Fipronil	61 - 2766	ND	Spirotetramat	295 - 2796	ND
Flonicamid	56 - 2698	ND	Spiroxamine 1	15 - 1051	ND
Fludioxonil	284 - 2706	ND	Spiroxamine 2	24 - 1592	ND
Hexythiazox	42 - 2735	ND	Tebuconazole	297 - 2745	ND
Imazalil	281 - 2771	ND	Thiacloprid	45 - 2648	ND
Imidacloprid	45 - 2681	ND	Thiamethoxam	43 - 2686	ND
Kresoxim-methyl	45 - 2785	ND	Trifloxystrobin	46 - 2706	ND

Final Approval



Karen Winternheimer
29Jul2024
02:56:00 PM MDT

PREPARED BY / DATE



Sam Smith
29Jul2024
03:32:00 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
ppb = Parts Per Billion

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600mg FS Natural

Batch ID or Lot Number: 240729C	Test: Heavy Metals	Reported: 29Jul2024	USDA License: NA
Matrix: Concentrate Co	Test ID: T000272968	Started: 26Jul2024	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 24Jul2024	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.55	ND	Amendment to T000272968 issued on 11Mar2024 to correct the sample name.
Cadmium	0.05 - 4.62	ND	
Mercury	0.05 - 4.53	ND	
Lead	0.05 - 4.52	ND	

Final Approval



PREPARED BY / DATE

Karen Winternheimer
29Jul2024
02:53:00 PM MDT



APPROVED BY / DATE

Sam Smith
29Jul2024
03:11:00 PM MDT



<https://results.botanacor.com/api/v1/coas/uuid/857b8b32-a424-4df5-9239-d4046acce118>

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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600mg FS Natural

Batch ID or Lot Number: 240729C	Test: Microbial Contaminants	Reported: 07Aug2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000272967	Started: 26Jul2024	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 24Jul2024	Status: Active

Microbial

Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Amendment to T000272967 issued on 08Mar2024 to correct the sample name. Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	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

PREPARED BY / DATE



Brianne Maillot
07Aug2024
03:15:00 PM MDT

APPROVED BY / DATE



<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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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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600mg FS Natural

Batch ID or Lot Number: 240729C	Test: Mycotoxins	Reported: 07Aug2024	USDA License: N/A
Matrix: Concentrate	Test ID: T000272970	Started: 26Jul2024	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 24Jul2024	Status: Active

Mycotoxins

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.24 - 129.60	ND	Amendment to T000272970 issued on 11Mar2024 to correct the sample name. N/A
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	

Final Approval



Karen Winternheimer
07Aug2024
02:47:00 PM MDT

PREPARED BY / DATE



Sam Smith
07Aug2024
03:24:00 PM MDT

APPROVED BY / DATE



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Definitions

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