

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Energy Drink Mix
PRODUCT STRENGTH: 25 mg CBD /serving
BATCH: 220172, 220527A, 220601B
BEST BY DATE: 1/1/2024

Physical Attributes

Test	Method	Specification	Results
Color	Internal	Pink	PASS
Odor	Internal	Sweet, Fruit Punch	PASS
Appearance	Internal	Loose Powder	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	LOQ: $\geq 25\text{mg/ serving}$	27.22mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: $<0.01\%$ (broad spectrum)	ND	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	Below LOQ	PASS
Heavy Metals Panel	ICP-MS	Arsenic (As): ≤ 1.5 ppm Cadmium (Cd): ≤ 0.5 ppm Lead (Pb): ≤ 0.5 ppm Mercury (Hg): ≤ 1.5 ppm	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5 ppb	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS

* *Level of Quantitation, † Parts Per Million ‡ Part Per Billion
 CFU/g=Colony Forming Units per Gram
 * Nothing Less Than Manufacture*
 $10^2=100$ CFU
 $10^3=1,000$ CFU

Quality Certified



Name: Coral Cronin

6/1/2022


Date


75g Energy Powder Jars 25mg CBD and 2.5mg CBG

Batch ID or Lot Number: 220172	Test: Potency	Reported: 26Apr2022	USDA License: N/A
Matrix: Unit	Test ID: T000204817	Started: 26Apr2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 25Apr2022	Status: N/A

Cannabinoids	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.800	1.703	ND	ND	# of Servings = 1, Sample Weight=5g
Cannabichromenic Acid (CBCA)	0.731	1.558	ND	ND	
Cannabidiol (CBD)	2.410	4.517	27.220	5.40	
Cannabidiolic Acid (CBDA)	2.472	4.633	ND	ND	
Cannabidivarin (CBDV)	0.570	1.068	ND	ND	
Cannabidivarinic Acid (CBDVA)	1.031	1.932	ND	ND	
Cannabigerol (CBG)	0.454	0.967	3.580	0.70	
Cannabigerolic Acid (CBGA)	1.898	4.043	ND	ND	
Cannabinol (CBN)	0.592	1.262	ND	ND	
Cannabinolic Acid (CBNA)	1.295	2.758	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	2.261	4.816	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	2.053	4.374	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.819	3.875	ND	ND	
Tetrahydrocannabivarin (THCV)	0.413	0.880	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.605	3.418	ND	ND	
Total Cannabinoids			30.800	6.16	
Total Potential THC			ND	ND	
Total Potential CBD			27.220	5.44	

Final Approval


 Sam Smith
 26Apr2022
 01:56:00 PM MDT
 PREPARED BY / DATE


 Ryan Weems
 26Apr2022
 01:57:00 PM MDT
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/4ee12c55-6e4e-4573-acbf-2c851391545a>

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)).

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 17025:2017 Accredited by A2LA.



Cert #4329.02
 4ee12c556e4e4573acbf2c851391545a.1

75g Energy Powder Jars 25mg CBD and 2.5mg CBG


Batch ID or Lot Number: 220172	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 4
Reported: 22Apr2022	Started: 22Apr2022	Received: 22Apr2022	

Residual Solvents

Test ID: T000204308


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	93 - 1866	ND	
Butanes (Isobutane, n-Butane)	190 - 3799	ND	
Methanol	62 - 1247	ND	
Pentane	96 - 1919	ND	
Ethanol	102 - 2049	ND	
Acetone	102 - 2044	ND	
Isopropyl Alcohol	101 - 2023	ND	
Hexane	6 - 117	ND	
Ethyl Acetate	101 - 2026	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	94 - 1883	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	134 - 2670	ND	

Final Approval

Ryan Weems
22Apr2022
03:28:00 PM MDT

PREPARED BY / DATE



Hannah Wright
22Apr2022
03:28:00 PM MDT


APPROVED BY / DATE

Heavy Metals

Test ID: T000204307


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.35	ND	
Cadmium	0.04 - 4.30	ND	
Mercury	0.04 - 4.35	ND	
Lead	0.04 - 4.17	ND	

Final Approval

Kayla Phye
25Apr2022
10:21:00 AM MDT

PREPARED BY / DATE



Ryan Weems
25Apr2022
10:24:00 AM MDT

APPROVED BY / DATE

75g Energy Powder Jars 25mg CBD and 2.5mg CBG

Batch ID or Lot Number: 220172	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 4
Reported: 22Apr2022	Started: 22Apr2022	Received: 22Apr2022	

Mycotoxins

Test ID: T000204309
Methods: TM18 (UHPLC-QQQ)
LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.38 - 133.62	ND	N/A
Aflatoxin B1	1.13 - 31.69	ND	
Aflatoxin B2	1.10 - 34.01	ND	
Aflatoxin G1	1.10 - 34.04	ND	
Aflatoxin G2	1.16 - 33.62	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Ryan Weems 25Apr2022 11:40:00 AM MDT	 Sam Smith 25Apr2022 11:48:00 AM MDT
PREPARED BY / DATE	APPROVED BY / DATE

Microbial Contaminants

Test ID: T000204306
Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/g	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 25Apr2022 04:18:00 PM MDT	 Brienne Maillot 25Apr2022 04:20:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE

75g Energy Powder Jars 25mg CBD and 2.5mg CBG

Batch ID or Lot Number: 220172	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 4
Reported: 22Apr2022	Started: 22Apr2022	Received: 22Apr2022	


Pesticides

Test ID: T000204305

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	396 - 2777	ND		Malathion	300 - 2712	ND
Acephate	43 - 2799	ND		Metalaxyl	45 - 2708	ND
Acetamiprid	39 - 2783	ND		Methiocarb	43 - 2753	ND
Azoxystrobin	44 - 2808	ND		Methomyl	39 - 2792	ND
Bifenazate	44 - 2804	ND		MGK 264 1	169 - 1645	ND
Boscalid	42 - 2786	ND		MGK 264 2	152 - 1129	ND
Carbaryl	43 - 2732	ND		Myclobutanil	43 - 2649	ND
Carbofuran	44 - 2729	ND		Naled	46 - 2682	ND
Chlorantraniliprole	55 - 2819	ND		Oxamyl	37 - 2794	ND
Chlorpyrifos	41 - 2780	ND		Paclobutrazol	46 - 2652	ND
Clofentezine	294 - 2768	ND		Permethrin	310 - 2754	ND
Diazinon	309 - 2786	ND		Phosmet	51 - 2722	ND
Dichlorvos	256 - 2842	ND		Prophos	298 - 2700	ND
Dimethoate	41 - 2790	ND		Propoxur	45 - 2717	ND
E-Fenpyroximate	308 - 2734	ND		Pyridaben	285 - 2763	ND
Etofenprox	42 - 2735	ND		Spinosad A	34 - 2257	ND
Etoxazole	291 - 2784	ND		Spinosad D	45 - 500	ND
Fenoxycarb	44 - 2728	ND		Spiromesifen	316 - 2785	ND
Fipronil	60 - 2867	ND		Spirotetramat	345 - 2777	ND
Flonicamid	45 - 2800	ND		Spiroxamine 1	20 - 1153	ND
Fludioxonil	306 - 2785	ND		Spiroxamine 2	26 - 1536	ND
Hexythiazox	38 - 2913	ND		Tebuconazole	300 - 2670	ND
Imazalil	282 - 2714	ND		Thiacloprid	41 - 2794	ND
Imidacloprid	41 - 2798	ND		Thiamethoxam	39 - 2826	ND
Kresoxim-methyl	38 - 2812	ND		Trifloxystrobin	41 - 2856	ND

Final Approval

 Daniel Weidensaul
25Apr2022
04:18:00 PM MDT
PREPARED BY / DATE

 Ryan Weems
25Apr2022
04:26:00 PM MDT
APPROVED BY / DATE