

CERTIFICATE OF ANALYSIS

SAMPLE NAME: ENERGY V

SAMPLE CODE: HEM-240103-002

CLIENT: CBDMD - ASG

BATCH RESULT: PASS



1230 Woodmere Ave
Traverse City, MI 49686
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MATRIX NAME: Edible Solid- Tablet/Capsule

SAMPLE TYPE: Compliance

RECEIVED DATE: Fri, Jan 5, 2024

PUBLISHED DATE: Wed, Jan 10, 2024

BATCH CODE: 311011

BATCH SIZE: 0

SAMPLE SIZE: 5g

AVERAGE UNIT WEIGHT: 0.6631g (1 capsule)

TOTAL CANNABINOIDS 19.65 mg/serv

TOTAL THC ND

TOTAL CBD ND

POT



Cannabinoids
Potency

CAFFE



Caffeine

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director

Cambium Analytica

Wednesday, Jan 10, 2024

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations

Cambium Analytica

Wed, Jan 10, 2024

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LAB-TM-025 - DETERMINATION OF POTENCY OF CANNABIS AND CANNABIS INFUSED PRODUCTS ACN
 POT-HEM-240103-002-02 - TUE, JAN 9, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Cannabinoids	2.9631 %	19.65 mg	19.65 mg	N/A			N/A
CBG	2.4418 %	16.19 mg	16.19 mg	N/A	0.2073 ug/g	0.8539 ug/g	N/A
Total THCV	0.5213 %	3.46 mg	3.46 mg	N/A			N/A
Delta-9 THCV	0.2955 %	1.96 mg	1.96 mg	N/A	0.269941 ug/g	0.403267 ug/g	N/A
Delta-8 THCV	0.2258 %	1.50 mg	1.50 mg	N/A	0.050425 ug/g	0.339339 ug/g	N/A
CBC	ND	ND	ND	N/A	0.4372 ug/g	4.843 ug/g	N/A
CBD	ND	ND	ND	N/A	0.6432 ug/g	5.401 ug/g	N/A
CBDA	ND	ND	ND	N/A	0.0886 ug/g	0.2949 ug/g	N/A
CBDV	ND	ND	ND	N/A	0.0919 ug/g	0.4418 ug/g	N/A
CBGA	ND	ND	ND	N/A	0.4596 ug/g	4.8149 ug/g	N/A
CBN	ND	ND	ND	N/A	0.3561 ug/g	4.3163 ug/g	N/A
Delta-8 THC	ND	ND	ND	N/A	0.4043 ug/g	4.5669 ug/g	N/A
Delta-9 THC	ND	ND	ND	N/A	0.4945 ug/g	1.516 ug/g	N/A
THCA	ND	ND	ND	N/A	0.4497 ug/g	4.9472 ug/g	N/A
Total CBD	ND	N/A	N/A	N/A			N/A
Total THC	ND	N/A	N/A	N/A			N/A

LAB-TM-076 - DETERMINATION OF CAFFEINE AND MELATONIN BY HPLC
 CAFFE-HEM-240103-002-02 - MON, JAN 8, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Caffeine	85.2793 mg/g	56.55 mg	56.55 mg	N/A	0.025 mg/g	0.05 mg/g	N/A



Prepared for:

American Softgels

100 Station Street
Loyalhanna, PA United States 15661

Energy-V

Batch ID or Lot Number: 311011	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	


Residual Solvents

Test ID: T000267074


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	96 - 1914	ND	
Butanes (Isobutane, n-Butane)	209 - 4171	ND	
Methanol	64 - 1288	ND	
Pentane	95 - 1892	ND	
Ethanol	96 - 1928	ND	
Acetone	105 - 2106	ND	
Isopropyl Alcohol	106 - 2114	ND	
Hexane	7 - 133	ND	
Ethyl Acetate	107 - 2148	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	106 - 2114	ND	
Toluene	19 - 385	ND	
Xylenes (m,p,o-Xylenes)	140 - 2805	ND	

Final Approval

 Sam Smith
11Jan2024
01:42:00 PM MST

PREPARED BY / DATE

 Karen Winternheimer
11Jan2024
01:42:00 PM MST

APPROVED BY / DATE

Prepared for:

American Softgels

100 Station Street
Loyalhanna, PA United States 15661

Energy-V

Batch ID or Lot Number: 311011	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 2 of 5
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	

Mycotoxins


Test ID: T000267075


Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.86 - 119.27	ND	N/A
Aflatoxin B1	0.93 - 31.66	ND	
Aflatoxin B2	0.96 - 31.45	ND	
Aflatoxin G1	0.93 - 31.76	ND	
Aflatoxin G2	0.99 - 31.97	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Karen Winternheimer
12Jan2024
09:21:00 AM MST
PREPARED BY / DATE

 Sam Smith
12Jan2024
09:23:00 AM MST
APPROVED BY / DATE


Heavy Metals


Test ID: T000267073

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.56	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.04 - 4.10	ND	

Final Approval

 Sam Smith
12Jan2024
03:00:00 PM MST
PREPARED BY / DATE

 Karen Winternheimer
16Jan2024
12:59:00 PM MST
APPROVED BY / DATE

Prepared for:

American Softgels

100 Station Street
Loyalhanna, PA United States 15661

Energy-V

Batch ID or Lot Number: 311011	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 3 of 5
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	

Microbial Contaminants

Test ID: T000267072

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

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	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



Brett Hudson
16Jan2024
02:06:00 PM MST

PREPARED BY / DATE



Brianne Maillot
16Jan2024
03:54:00 PM MST

APPROVED BY / DATE

Prepared for:

American Softgels

100 Station Street
Loyalhanna, PA United States 15661

Energy-V

Batch ID or Lot Number: 311011	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 4 of 5
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	


Pesticides


Test ID: T000267071

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	311 - 2831	ND		Malathion	276 - 2695	ND
Acephate	40 - 2758	ND		Metalaxyl	44 - 2712	ND
Acetamiprid	43 - 2718	ND		Methiocarb	38 - 2787	ND
Azoxystrobin	43 - 2716	ND		Methomyl	43 - 2772	ND
Bifenazate	44 - 2695	ND		MGK 264 1	158 - 1629	ND
Boscalid	42 - 2734	ND		MGK 264 2	113 - 1090	ND
Carbaryl	41 - 2697	ND		Myclobutanil	70 - 2723	ND
Carbofuran	44 - 2706	ND		Naled	46 - 2668	ND
Chlorantraniliprole	42 - 2772	ND		Oxamyl	42 - 2768	ND
Chlorpyrifos	42 - 2771	ND		Paclobutrazol	46 - 2692	ND
Clofentezine	282 - 2719	ND		Permethrin	289 - 2802	ND
Diazinon	271 - 2723	ND		Phosmet	40 - 2590	ND
Dichlorvos	271 - 2767	ND		Prophos	275 - 2751	ND
Dimethoate	43 - 2709	ND		Propoxur	43 - 2702	ND
E-Fenpyroximate	264 - 2851	ND		Pyridaben	290 - 2755	ND
Etofenprox	42 - 2778	ND		Spinosad A	34 - 2084	ND
Etoazole	281 - 2696	ND		Spinosad D	66 - 682	ND
Fenoxycarb	43 - 2739	ND		Spiromesifen	263 - 2781	ND
Fipronil	54 - 2790	ND		Spirotetramat	282 - 2798	ND
Flonicamid	50 - 2792	ND		Spiroxamine 1	15 - 1055	ND
Fludioxonil	283 - 2738	ND		Spiroxamine 2	23 - 1629	ND
Hexythiazox	40 - 2806	ND		Tebuconazole	274 - 2726	ND
Imazalil	264 - 2746	ND		Thiacloprid	45 - 2728	ND
Imidacloprid	38 - 2799	ND		Thiamethoxam	42 - 2767	ND
Kresoxim-methyl	43 - 2739	ND		Trifloxystrobin	44 - 2718	ND

Final Approval


 Karen Winternheimer
 17Jan2024
 08:38:00 AM MST
 PREPARED BY / DATE


 Sam Smith
 17Jan2024
 08:39:00 AM MST
 APPROVED BY / DATE

Prepared for:

American Softgels

100 Station Street

Loyalhanna, PA United States 15661

Energy-V

Batch ID or Lot Number: 311011	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 5
Reported: 11Jan2024	Started: 11Jan2024	Received: 10Jan2024	



<https://results.botanacor.com/api/v1/coas/uuid/efb47682-0900-44b7-98e8-40594d409b96>

Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



Cert #4329.02
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Prepared for:
American Softgels


Energy-V

Batch ID or Lot Number: 311011	Test: Microbial Contaminants	Reported: 05Feb2024	USDA License: N/A
Matrix: Finished Product	Test ID: T000268299	Started: 30Jan2024	Sampler ID: NA
	Method(s):	Received: 19Jan2024	Status: NA

Microbial Contaminants

	Method	LOD	Quantitation Range	Result	Notes
<i>Listeria monocytogenes</i>	TM32: Culture Plating	10 ¹ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter

Final Approval



Brianne Maillot
05Feb2024
10:58:00 AM MST



Brett Hudson
05Feb2024
02:16:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/45b1a916-6f08-4da9-a75c-629b36161662>

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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