PRODUCT NAME: Organic Green Apple Gummies

PRODUCT STRENGTH: 10 mg CBD / gummy

Various Lots Exp 5/2/2024 **BATCH:**

BEST BY DATE: 5/2/2024

616 **HEMP EXTRACT LOT:**

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Medium Green	PASS
Odor	Internal	Sweet, apple, sour	PASS
Appearance	Internal	Medium green gummies with sugar coating in child proof container	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	*NLT10 mg/ Gummy	12.8mg	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 < 5ppb	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

Quality Certified

Name

6/28/22

Date



10mg BS Green Apple (organic)

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 4 of 5
616	Various	Concentrate	
Reported:	Started:	Received:	
19May2022	27Apr2022	26Apr2022	

Cannabinoids - Colorado Compliance

Test ID: T000203995

Methods: TM14 (HPLC-DAD): Potency - Standard

Methods. 1W14 (11 EC-DAD). 1 Otency - Standard					
Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.011	0.022	ND	ND	Amendment to
Cannabichromenic Acid (CBCA)	0.010	0.020	ND	ND	T000203995 issued
Cannabidiol (CBD)	0.034	0.060	0.388	3.88	26Apr2022 to
Cannabidiolic Acid (CBDA)	0.035	0.061	ND	ND	correct batch ID.
Cannabidivarin (CBDV)	0.008	0.014	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.014	0.025	ND	ND	
Cannabigerol (CBG)	0.006	0.013	0.036	0.36	
Cannabigerolic Acid (CBGA)	0.025	0.052	ND	ND	
Cannabinol (CBN)	0.008	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.017	0.036	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.030	0.062	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.027	0.057	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.024	0.050	ND	ND	
Tetrahydrocannabivarin (THCV)	0.005	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.021	0.044	ND	ND	
Total Cannabinoids			0.424	4.24	
Total Potential THC			ND	ND	
Total Potential CBD			0.388	3.88	

Final Approval

Sawantha Smol 19May2022 02:14:00 PM MDT PREPARED BY / DATE

Sam Smith

APPROVED BY / DATE

Ryan Weems 19May2022 02:18:00 PM MDT

Heavy Metals -Colorado Compliance

Test ID: T000203998

Mothods: TM10 (ICB MS): Hoavy

Methous. Tiving (ICF-IVIS). I	leavy		
Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.31	ND	Amendment to certificate
Cadmium	0.04 - 4.25	ND	T000203998 issued on 27Apr2022, batch ID updated.
Mercury	0.04 - 4.21	ND	
Lead	0.04 - 4.11	ND	

Final Approval

PREPARED BY / DATE

Ryan Weems 19May2022 01:47:00 PM MDT

Samantha Smits

Sam Smith 19May2022 02:21:00 PM MDT

APPROVED BY / DATE



10mg BS Green Apple (organic)

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 5
616	Various	Concentrate	
Reported:	Started:	Received:	
19May2022	27Apr2022	26Apr2022	

Pesticides

Test ID: T000203996 Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	285 - 2628	ND	
Acephate	38 - 2770	ND	
Acetamiprid	39 - 2819	ND	
Azoxystrobin	46 - 2530	ND	
Bifenazate	48 - 2573	ND	
Boscalid	47 - 2600	ND	
Carbaryl	42 - 2744	ND	
Carbofuran	45 - 2678	ND	
Chlorantraniliprole	61 - 2572	ND	
Chlorpyrifos	48 - 2876	ND	
Clofentezine	246 - 2796	ND	
Diazinon	294 - 2647	ND	
Dichlorvos	279 - 2796	ND	
Dimethoate	41 - 2757	ND	
E-Fenpyroximate	296 - 2610	ND	
Etofenprox	41 - 2786	ND	
Etoxazole	301 - 2740	ND	
Fenoxycarb	33 - 2712	ND	
Fipronil	32 - 2578	ND	
Flonicamid	48 - 2811	ND	
Fludioxonil	297 - 2676	ND	
Hexythiazox	44 - 2697	ND	
Imazalil	300 - 2740	ND	
Imidacloprid	40 - 2795	ND	
Kresoxim-methyl	66 - 2546	ND	

	Dynamic Range (ppb)	Result (ppb)
Malathion	282 - 2708	ND
Metalaxyl	45 - 2675	ND
Methiocarb	42 - 2677	ND
Methomyl	40 - 2841	ND
MGK 264 1	173 - 1600	ND
MGK 264 2	109 - 1113	ND
Myclobutanil	15 - 2793	ND
Naled	53 - 2738	ND
Oxamyl	38 - 2874	ND
Paclobutrazol	42 - 2774	ND
Permethrin	300 - 2836	ND
Phosmet	44 - 2680	ND
Prophos	285 - 2734	ND
Propoxur	42 - 2745	ND
Pyridaben	291 - 2779	ND
Spinosad A	35 - 2261	ND
Spinosad D	48 - 509	ND
Spiromesifen	316 - 2783	ND
Spirotetramat	248 - 2558	ND
Spiroxamine 1	19 - 1170	ND
Spiroxamine 2	26 - 1553	ND
Tebuconazole	275 - 2750	ND
Thiacloprid	42 - 2777	ND
Thiamethoxam	40 - 2739	ND
Trifloxystrobin	45 - 2705	ND

Final Approval

PREPARED BY / DATE

Ryan Weems 19May2022 02:09:00 PM MDT

Sawantha Smid 19May2022 02:26:00 PM MDT

Sam Smith

APPROVED BY / DATE



10mg BS Green Apple (organic)

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 2 of 5
616	Various	Concentrate	
Reported:	Started:	Received:	
19May2022	27Apr2022	26Apr2022	

Residual Solvents -Colorado Compliance

Test ID: T000203999

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1614	ND	Amendment to certificate T000203999 issued on 29Apr2022,
Butanes (Isobutane, n-Butane)	163 - 3254	ND	batch ID updated.
Methanol	59 - 1184	ND	
Pentane	86 - 1725	ND	
Ethanol	92 - 1845	>1845	
Acetone	93 - 1851	ND	
Isopropyl Alcohol	99 - 1987	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	96 - 1922	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	94 - 1871	ND	
Toluene	17 - 345	ND	
Xylenes (m,p,o-Xylenes)	125 - 2496	ND	

Final Approval

PREPARED BY / DATE

APPROVED BY / DATE

Sam Smith Sawantha Smil 19May2022 02:33:00 PM MDT



10mg BS Green Apple (organic)

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 5
616	Various	Concentrate	
Reported:	Started:	Received:	
19May2022	27Apr2022	26Apr2022	

Mycotoxins - Colorado Compliance

Test ID: T000204000

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.34 - 132.99	ND	Amendment to T000204000 issued28Apr2022 to correct batch
Aflatoxin B1	1.08 - 35.62	ND	ID.
Aflatoxin B2	1.19 - 34.91	ND	N/A
Aflatoxin G1	1.08 - 35.15	ND	
Aflatoxin G2	1.15 - 34.54	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Sam Smith
19May2022
12:46:00 PM MDT

PREPARED BY / DATE

Myan News

APPROVED BY / DATE

Ryan Weems 19May2022 12:51:00 PM MDT



10mg BS Green Apple (organic)

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 5
616	Various	Concentrate	
Reported:	Started:	Received:	
19May2022	27Apr2022	26Apr2022	

Microbial Contaminants -Colorado Compliance

Test ID: T000203997

Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial (Colorado Panel) Method		LOD	Quantitation Range	Result
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	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected

Notes

Free from visual mold, mildew, and foreign matter Amendment to report T000203997 for batch ID correction. SCH 19May2022

Final Approval

PREPARED BY / DATE

Sarah Henning 19May2022 03:17:00 PM MDT **Plating**

Carly Baden

Carly Bader 19May2022 03:55:00 PM MDT

APPROVED BY / DATE



https://results.botanacor.com/api/v1/coas/uuid/20161338-dc2b-40de-ae00-ab0eaecad34e

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit A2LA for more details.







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