

PRODUCT NAME: Joy Organics Passionfruit THCv Gummies - Kosher Certified

PRODUCT STRENGTH: 10 mg THCv / gummy

BATCH: 22108A

04/05/2024 **BEST BY DATE: HEMP**

EXTRACT LOT: 0005920

Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Medium Pink to Red	PASS
Odor	Joy Internal	Sweet, passionfruit	PASS
Appearance	Joy Internal	Medium pink to red gummies with sugar coating in child proof container	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	Joy 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 THCv	HPLC-UV DAD	*NLT 10 mg / gummy	11.27mg	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 10^2=100 CFU

10^3=1,000 CFU

5/18/22

Quality Certified Name

Date



Certificate of Analysis

April 19, 2022

Order No. 533461 Sample No. 1123098

SAMPLE INFORMATION

Description THCVGummy Lot Number 22108A

Category Non-Inhalable Edible (Gummy)

Received April 18, 2022

ANALYTICAL RESULTS

Analysis Cannabinoid Profile Extended

Instrument Liquid Chromatography Diode Array Detector (LC-DAD) MF-

Method CHEM-15

Analysis Date April 18, 2022 to April 19, 2022

Cannabinoid	mg/g	%	mg/serving	
Δ8-THC	ND	ND	ND	
Δ8-THCV	0.92	0.092	3.07	
Δ9-THC	ND	ND	ND	
Δ9-THCA	ND	ND	ND	
THCV	2.46	0.246	8.20	
THCVA	ND	ND	ND	
CBD	ND	ND	ND	
CBDA	ND	ND	ND	
CBC	ND	ND	ND	
CBCA	ND	ND	ND	
CBDV	ND	ND	ND	
CBDVA	ND	ND	ND	
CBG	ND	ND	ND	
CBGA	ND	ND	ND	
CBN	ND	ND	ND	
CBL	ND	ND	ND	
CBT	ND	ND	ND	
Δ8-THC Acetate*	ND	ND	ND	
Δ9-THC Acetate*	ND	ND	ND	
9R-Hexahydrocannabinol*	ND	ND	ND	
9S-Hexahydrocannabinol*	ND	ND	ND	
Total THC	ND	ND	ND	
Total CBD	ND	ND	ND	
Total Cannabinoids	3.38	0.338	11.27	
Total Active Cannabinoids	3.38	0.338	11.27	
Serving Weight (g)	3.3323			

^{*}These cannabinoids do not fall under Anresco's ISO 17025 scope due to the lack of available Certified Reference Materials. They were quantified using available analytical reference standards.

Reported by **Anresco, Inc.**



April 19, 2022

Limit of Detection: 0.067 mg/g Limit of Quantitation: 0.2 mg/g ND = None Detected

<LOQ = Below Limit of Quantitation <LOD = Below Limit of Detection

If there are any questions with this report, please contact "compliance@anresco.com".

Anresco Laboratories www.anresco.com 1375 Van Dyke Ave., San Francisco, CA 94124
 Sample#: 1123098
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 Batch #:22108A
 Report ID: T-2



THCV Gummies

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 3
22108A	Various	Finished Product	
Reported:	Started:	Received:	
18Apr2022	15Apr2022	15Apr2022	

Microbial **Contaminants -Colorado Compliance**

Test ID: T000203338

Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial

TM27 (Culture Plating): Microbial			Quantitation		
(Colorado Panel)	Method	LOD	Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Toreign matter
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

Buanne Maillot 18Apr2022

Brianne Maillot 01:53:00 PM MDT

Jackson Osaghae-Nosa 18Apr2022 03:14:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE



THCV Gummies

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 3
22108A	Various	Finished Product	
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18Apr2022	15Apr2022	15Apr2022	

Mycotoxins - Colorado Compliance

Test ID: T000203341

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.22 - 132.08	ND	N/A
Aflatoxin B1	1.11 - 32.53	ND	
Aflatoxin B2	1.08 - 32.59	ND	
Aflatoxin G1	0.99 - 32.43	ND	
Aflatoxin G2	1.02 - 32.27	ND	
Total Aflatoxins (B1, B2, G1, ar	nd G2)	ND	

Final Approval

Ryan Weems 19Apr2022 12:45:00 PM MDT

Samantha Small 19Apr2022 12:48:00 PM MDT

APPROVED BY / DATE

Sam Smith



https://results.botanacor.com/api/v1/coas/uuid/64b94291-bba8-4dc5-a4ab-2b972ce635a9

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-THC + (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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THCV Gummies

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Residual Solvents -Colorado Compliance

Test ID: T000203340

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	104 - 2080	ND	
Butanes (Isobutane, n-Butane)	212 - 4239	ND	
Methanol	65 - 1309	68	
Pentane	108 - 2150	ND	
Ethanol	110 - 2210	>2210	
Acetone	108 - 2170	ND	
Isopropyl Alcohol	106 - 2130	ND	
Hexane	7 - 131	ND	
Ethyl Acetate	108 - 2154	ND	
Benzene	0.2 - 4.5	ND	
Heptanes	103 - 2055	ND	
Toluene	19 - 386	ND	
Xylenes (m,p,o-Xylenes)	136 - 2727	ND	

Final Approval

4619

Hannah Wright 19Apr2022 04:38:00 PM MDT

PREPARED BY / DATE

Myon News

Ryan Weems 19Apr2022 04:52:00 PM MDT

APPROVED BY / DATE



THCV Gummies

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 7
22108A	Various	Finished Product	
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Heavy Metals -Colorado Compliance

Test ID: T000203339

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.13	ND	
Cadmium	0.04 - 4.37	ND	•
Mercury	0.04 - 4.01	ND	
Lead	0.04 - 4.02	ND	•

Final Approval

Daniel Weidensaul Danuel Westersand 20Apr2022 05:14:00 PM MDT

20Apr2022 05:25:00 PM MDT



THCV Gummies

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 6 of 7
22108A	Various	Finished Product	
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Pesticides

Test ID: T000203337 Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)	
Abamectin	341 - 2597	ND	
Acephate	46 - 2776	ND	
Acetamiprid	37 - 2805	ND	
Azoxystrobin	44 - 2691	ND	
Bifenazate	43 - 2724	ND	
Boscalid	80 - 2676	ND	
Carbaryl	40 - 2777	ND	
Carbofuran	44 - 2774	ND	
Chlorantraniliprole	53 - 2654	ND	
Chlorpyrifos	50 - 2706	ND	
Clofentezine	282 - 2755	ND	
Diazinon	277 - 2781	ND	
Dichlorvos	249 - 2827	ND	
Dimethoate	41 - 2778	ND	
E-Fenpyroximate	296 - 2597	ND	
Etofenprox	39 - 2737	ND	
Etoxazole	280 - 2707	ND	
Fenoxycarb	41 - 2786	ND	
Fipronil	85 - 2589	ND	
Flonicamid	38 - 2820	ND	
Fludioxonil	320 - 2707	ND	
Hexythiazox	47 - 2730	ND	
Imazalil	277 - 2840	ND	
Imidacloprid	44 - 2773	ND	
Kresoxim-methyl	56 - 2658	ND	

	Dynamic Range (ppb)	Result (ppb)	
Malathion	285 - 2779	ND	
Metalaxyl	47 - 2796	ND	
Methiocarb	46 - 2714	ND	
Methomyl	40 - 2812	ND	
MGK 264 1	190 - 1563	ND	
MGK 264 2	126 - 1114	ND	
Myclobutanil	40 - 2766	ND	
Naled	41 - 2784	ND	
Oxamyl	36 - 2821	ND	
Paclobutrazol	40 - 2764	ND	
Permethrin	272 - 2650	ND	
Phosmet	41 - 2792	ND	
Prophos	302 - 2728	ND	
Propoxur	42 - 2732	ND	
Pyridaben	268 - 2712	ND	
Spinosad A	36 - 2214	ND	
Spinosad D	53 - 487	ND	
Spiromesifen	276 - 2733	ND	
Spirotetramat	325 - 2636	ND	
Spiroxamine 1	18 - 1151	ND	
Spiroxamine 2	24 - 1544	ND	
Tebuconazole	277 - 2813	ND	
Thiacloprid	42 - 2792	ND	
Thiamethoxam	44 - 2845	ND	
Trifloxystrobin	42 - 2720	ND	

Final Approval

PREPARED BY / DATE

Ryan Weems 21Apr2022 12:42:00 PM MDT

Samantha Small 21Apr2022 12:49:00 PM MDT

Sam Smith

APPROVED BY / DATE



THCV Gummies

Batch ID or Lot Number: 22108A	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 7 of 7
Reported: 18Apr2022	Started: 15Apr2022	Received: 15Apr2022	



https://results.botanacor.com/api/v1/coas/uuid/9df7aa9f-aaab-424c-a553-e2aafc13056b

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