# JOYORGANICS **CERTIFICATE OF ANALYSIS**

PRODUCT NAME:	
PRODUCT STRENGTH:	
BATCH:	
BEST BY DATE:	
Bulk LOT:	

2 mg / chew	
21355C	
11/2023	
3004363	

### \*Click on the links to view third-party reports\*

Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	Brown	PASS
Odor	Joy Internal	Beef and grains, with some yeast	PASS
Appearance	Joy Internal	Squat cylindrical dog treats a plastic amber container	PASS
Primary Package Eval.	Joy Internal Container clean and free of filth. Container caps tight and pressure seal is intact.		PASS
Secondary I dekage Eval. Soy Internal		Labeling Compliance Checked, Cartons sturdy and clean. 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	$LOQ^* \ge 2 mg / chew$	2.6 mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% (broad spectrum)	<0.01%	PASS
Pesticide Panel	LCMS-MS	Not Tested	N/A	N/A
<b>Microbial</b> Escherichia coli (STEC)	qPCR	Complies with USP 61/62	Absent	PASS
<b>Microbial</b> Salmonella	qPCR	Complies with USP 61/62	Absent	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with USP 61/62	Below LOQ	PASS
<b>Microbial</b> Total Coliforms	Culture Plating	Complies with USP 61/62	Below LOQ	PASS
<b>Microbial</b> Total Aerobic Count	Culture Plating	Complies with USP 61/62	1.0 x 10 <sup>4</sup>	PASS
Heavy Metals	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	LCMS-MS	Total Aflatoxins <20 ppb†† Afltoxin B1 < 20 ppb Ochratoxin < 20 ppb	Below LOQ	PASS
<b>Residual Solvents</b>	GC-MS	Not Tested	N/A	N/A

\*Level of Quantification † Parts Per Million †† Part Per Billion

Quality Certified

<u>Keegan Schlittler</u> Keegan Schlittler

01/06/2022

Quality Assurance Manager

Date



Certificate

of Analysis

Kaycha Labs

CODSC21-16/3004363 N/A Matrix: Infused



Sample:DE11119027-003 Harvest/Lot ID: N/A Batch#: N/A Seed to Sale# 1A4000800010D25000000881 Batch Date: N/A Sample Size Received: 48 gram Total Weight/Volume: N/A Retail Product Size: N/A gram Ordered : 11/18/21 sampled : 11/18/21 Completed: 11/27/21 Sampling Method: SOP-024



Reagent	Dilution	Consums. ID	Consums. ID
101225-10	-40	87651275	12367-72348
12(1)(2): 005		1119999	070SC
115.533 03		BG045	
102227,0014		R1KB34782	
151223 000		295076054	
112221 802		12211-108CC ###	
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879 Federal Blvd Denver, CO, 80204, USA Kaycha Labs



PASSED

# **Certificate of Analysis**

Introl 12

615 Wooten Rd Suite 110 Colorado Sonnos, CO, 80915, US Telephone: 719 574 7159 Email: Telephone: 719 574 7159 Email: Telephone: 719 574 7159

**Microbials** 

Sample : DE11119027-003 Harvest/LOT ID: N/A Batch# : N/A Sam Sampled : 11/1921 Tot Ordered : 11/1921 Cor

PASSED

Sample Size Received : 4 mm Total Weight/Volume : MA Completed : 1000 Expires: 100002 Sample Method : 500002





Page 2 of 2

Analyte	LOD	Result
TOTAL YEAST AND HOLD		Instantion 23
SHIGA TOXIN PRODUCING ESCHERUCHIA COLI STEC		ini presetter 11
SALMONELLA SPECIES		net president in 7 d
TOTAL AEROBIC		1920
TOTAL COLIFORM		100

Analysis Method Provided Inde 100 Dec (Mar. Sociality, IA) Analysical Batch Products Mick Batch Date (11/22/21.11/06/24) Instrument Used 2 Microbial - And Panim Running On : 11/22/21 14/21/25

Analyzed by	Weight 20.00g		ction date		Extracted By
Reagent	Respent	Reagent	Dilution	Consums, ID	Consums. ID
<ul> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> <li>Constraints</li> </ul>	110223-025 0078-14-05 031521-02 15041-045 735042-25 932721-07	111122107 112221122 1120222399 110722399 111922399 111922395 22722335	1	16564.10606-1069 40898-02104-02180 210416-361-8 210623-687 210623-688 12765-11500-115	0. 10730-1110 12400-201 201030 1041023 1041023 104-5000238

Analyte	LOD	Units	Result	Action Level
AFLATOXIN GZ	0.30%	ppb	4025	20
AFLATOXIN GI	0.5.050	npti	no-	
AFLATOXIN B2	2.0404	apb	1×13	2.0
AFLATOXIN B1	2.127	app	2015	
OCHRATOXIN A -	0.04.92	ppb	NO	25
AFLATOXINS		ppb	0 /	1265

Analysis Mittrod

Analytical Batch - Di Octoberry | Reviewed On - 1127-114 75-85 Instrument Used : See 5100 Onep - Hydroneou Running On

Batch Date 133 (22:21 (11/22:02)

Analyzed by	Weight	Extraction date	Extracted By
1696	0.1470	11/23/27 02:12:17	1500

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# Heavy Metals



Reagent MELTII MELTII MELTII MELTII		llution	Consums, ID hadde datel barra adectal vanca adectal vanca adectal	
Metal	LOD	Unit	Result	Action Level
ARSENIC	0.0020	100000	1).040	:1.5
CADMIUM	0.0010	2001	10.154	RAV.
MERCURY	0.0015	1004	INC:	
LEAD	0.0131	P1001	U 0-31	- T
Analyzed by	Weight	Extraction	n date	Extracted By
7	0.1068	123 1 12	11 33	10.96

Analytical Batch -DE002701HEA | Reviewed On = 11 24 (1) 10 7745 Instrument Used : Shimadzia 2030 ICP-MS Hunning Do 711(11)(2) 17:16:56

Batch Date 1002021-000101

Privat Misson and Annual and Annual Annual Childs Standards and Annual Annual Annual Children and Annual Annual



Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

## JOY ORGANICS

Batch ID or Lot Number: <b>21355A</b>	<sup>Test:</sup> Microbial Contaminants	Reported: 1/3/22	Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528
Matrix: Finished Product	Test ID: T000184212	Started: 12/28/21	USDA License: N/A
Status: N/A	<b>Methods:</b> TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 12/27/2021 @ 10:56 AM	Sampler ID: N/A

## MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	1.0x10^4 CFU/g	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	

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Jackson Osaghae-Nosa 12/31/2021 12:26:00 PM

APPROVED BY / DATE

Sarah Henning 1/3/2022 9:30:00 AM

PREPARED BY / DATE

#### Definitions

CHEW

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli* \* 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.





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