JOYORGANICS **CERTIFICATE OF ANALYSIS**

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

Jov	Organics	CBD	Dog	Chews
JUY	Organics	CDD	Dug	Chews

2 mg / chew 22018C 11/2023 3004364

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 Package Eval.	Joy 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	$LOQ^* \ge 2 mg / chew$	2.1 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
Microbial Escherichia coli (STEC)	qPCR	Complies with USP 61/62	Absent	PASS
Microbial Salmonella	qPCR	Complies with USP 61/62	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with USP 61/62	Below LOQ	PASS
Microbial Total Coliforms	Culture Plating	Complies with USP 61/62	Below LOQ	PASS
Microbial Total Aerobic Count	Culture Plating	Complies with USP 61/62	3.7 x 10 ³	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
Residual Solvents	GC-MS	Not Tested	N/A	N/A

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

<u>Keegan Schlittler</u> Quality Certified

Keegan Schlittler

01/25/2022

Quality Assurance Manager

Date



Certificate of Analysis Kaycha Labs

CODSC21-17/3004364 N/A Matrix: Infused



Sample:DE11119027-004 Harvest/Lot ID: N/A Batch#: N/A Seed to Sale# 1A4000B00010D2500000882 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

Nov 27, 2021 | Folium Biosciences License # 405R-00011 ALC: NO. OF TAXABLE Page 1 of 2 Colorado Springs, CO, 80915, US PRODUCT IMAGE SAFETY RESULTS MISC. 民 Hg 0 Pesticides Heavy Metals Microbials Mycotoxins Filth Terpenes Residuals Water Activity Moisture Homogeneity NOT TESTED PASSED Solvents CANNABINOID RESULTS Total THC Total CBD **Total Cannabinoids** 0.003% 0.05% 0.054% **Cannabinoid Profile Test** Analyzed by Weight Extraction date : Extracted By : Analysis Method -SOP-020 (R15) Reviewed On - 11/23/21 15:07:42 Batch Date : 11/22/21 10:45:53 Analytical Batch -DE002697POT Instrument Used : Agilent 1100 "Falcor" Running On : 11/22/21 19:00:41 Reagent Dilution Consums. ID Consums, ID 40 923C4-923A8 8G045

Finance

usebrach an conception analysis whicing High Performance Usion Chromatography with DAD detection (HPLC-UV). Method SOP-022 (R1a) for reporting: Lower limit of Invarity for all cannabingids is 1950



Denver, CO, 80204, USA

Kaycha Labs CODSC21-17/3004364 N/A Matrix : Infused



PASSED

Certificate of Analysis Sample : DE11119027-004 Folium Biosciences Harvest/LOT ID: N/A 515 Wooten Rd Suite 110 Batch# : N/A Sample Size Received : 48 gram Page 2 of 2 Sampled : 11/18/21 Total Weight/Volume : N/A Telephone: 719-574-2159 Ordered : 11/18/21 Completed : 11/27/21 Expires: 11/27/22 Email: (csbua heach@foliumbiosciences.com Sample Method : SOP-024 License #: 405R-00011 Microbials Mycotoxins PASSED PASSED Analyte 100 Result LOD Result Action Level Analyte Units TOTAL YEAST AND MOLD AFLATOXIN G2 SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC AFLATOXIN G1 SALMONELLA SPECIES AFLATOXIN 82 AFLATOXIN B1 TOTAL COLIFORM OCHRATOXIN A+ 0,0491 ppb **AFLATOXINS** Analysis Method -SOP-061 (R2); SOP-062 (R2); SOP-063 (R1) Analytical Batch -DE002698MIC Batch Date : 11/22/21 11:06:40 Analysis Method -SOP-060 (RS) Analytical Batch -DE002694MYC | Reviewed On - 11/23/21 14/27/00 Instrument Used : Microbial - Full Panel Running On: 11/23/21 16:37/25 Instrument Used : Sciex 6500 Otrap - Mycotoxins Running On : Analyzed by Weight Extraction date Extracted By Batch Date : 11/22/21 08:28:54 Analyzed by Weight Extraction date Extracted By 1696 Reagent Reagent Reagent Dilution Consums, ID Consums, ID #0898-021C4-021A **Heavy Metals** PASSED Hg Reagent Dilution Consums, ID 04008-0400 Metal LOD Unit Result Action Level ARSENIC ppm CADMIUM ppeu MERCURY NO LEAD Analyzed by Extraction date Weight Extracted By Analysis Method -SOP-050 (RS) Analytical Batch -DE002701HEA | Reviewed On - 11/24/21 10:27:56 Instrument Used : Shimadzo 2030 ICP-MS Running On : 11/23/21 17:16:56 Batch Date : 11/23/21 09:38:17



Official Compliance: Colorado CERTIFICATE OF ANALYSIS

Prepared for:

JOY ORGANICS

22018A M		^{Test:} Microbial Contaminants		Reported: 1/24/22		Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528		
Matrix: Finished Product	Test ID T00018		-	tarted: /20/22		USDA N/A	License:	
Status: N/A	TM25 (qF TM24, TN	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)		Received: 01/19/2022 @ 11:43 AM		Sampler ID: N/A		
					Desult		Natas	
Contaminant Total Aerobic Count*	Method TM-26, Culture Plating	LOD 10^2 CFU/g	LLOQ 10^3 CFU/g	ULOQ 1.5x10^5 CFU/g	Result 3.7x10^3 CFU/	g	Notes 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	d		
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected	b		
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	_		
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent			

Ket lehen

CHEW

Brett Hudson 1/24/2022 3:57:00 PM

fan agen-An

APPROVED BY / DATE

Jackson Osaghae-Nosa 1/24/2022 4:33:00 PM

PREPARED BY / DATE

Definitions

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.



CDPHE Certified



Botanacor Laboratories™, All Rights Reserved | 1301 S Jason St Unit K, Denver, CO 80223 | 888.800.8223 | www.botanacor.com