

# CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** \*Joy Organics Everyday CBD Capsules  
**PRODUCT STRENGTH:** 25 mg CBD  
**BATCH:** 22053A  
**BEST BY DATE: HEMP:** 1/15/2024  
**EXTRACT LOT:** 22BL04373

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

### Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	Golden to Amber	PASS
Odor	Joy Internal	No Odor	PASS
Appearance	Joy Internal	Dry, ovoid soft-gel capsules in container with lid and shrink-band.	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and shrink bands intact.	PASS
Secondary Package Eval.	Joy Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

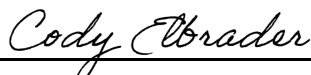
### Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
<b>Potency - Total CBD</b>	HPLC-UV DAD	*LOQ: $\geq 25$ mg / softgel	<b>32.27 mg</b>	PASS
<b>Potency - D9-THC</b>	HPLC-UV DAD	LOQ: $<0.01\%$ (broad spectrum)	<b>ND</b>	PASS
<b>Expanded Pesticide Panel</b>	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS
<b>Microbial</b> Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 **CFU/25	<b>Absent</b>	PASS
<b>Microbial</b> Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	<b>Absent</b>	PASS
<b>Microbial</b> Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ $10^2$ CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ $10^2$ CFU/gram	<b>Below LOQ</b>	PASS
<b>Microbial</b> Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ $10^3$ CFU/gram	<b>Below LOQ</b>	PASS
<b>Heavy Metals</b>	ICP-MS	Arsenic (As): $\leq 1.5$ ppm† Cadmium (Cd): $\leq 0.5$ ppm Lead (Pb): $\leq 0.5$ ppm Mercury (Hg): $\leq 1.5$ ppm	<b>Below LOQ</b>	PASS
<b>Mycotoxins</b>	ICP-MS	Total Aflatoxins $<20$ ppb†† Aflatoxin B1 $< 5$ ppb Ochratoxin $< 5$ ppb	<b>Below LOQ</b>	PASS
<b>Residual Solvents</b>	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	<b>Below LOQ</b>	PASS

\* Level of Quantification  
 \*\*CFU/g=Colony Forming Units per Gram  
 † Parts Per Million †† Part Per Billion

Values expressed using scientific notation.  
 Examples:  
 $10^2=100$   
 $10^3=1,000$

Quality Certified

  
 Cody Elbrader  
 Quality Assurance Technician

02/28/2022

Date

## Certificate of Analysis

<b>Sample Name:</b>	<b>Joy Organics 25mg BS</b>	<b>Eurofins Sample:</b>	<b>11373524</b>
<b>Project ID</b>	LACORE_NUT-20220124-0001	<b>Receipt Date</b>	25-Jan-2022
<b>PO Number</b>		<b>Receipt Condition</b>	Ambient temperature
<b>Lot Number</b>	22BL04373	<b>Login Date</b>	24-Jan-2022
<b>Sample Serving Size</b>	1 Softgel	<b>Date Started</b>	26-Jan-2022
		<b>Sampled</b>	Sample results apply as received
		<b>Number Composited</b>	20
		<b>Online Order</b>	19321-16B19594

Analysis	Result
<b>Industrial Hemp Cannabinoid Profile</b>	
CBDVA	None detected at detection limit of 0.0042 %
CBDV	0.295 mg/g
CBDA	None detected at detection limit of 0.0042 %
CBGA	None detected at detection limit of 0.0042 %
CBG	4.92 mg/g
CBD	84.7 mg/g
THCV	None detected at detection limit of 0.0083 %
CBN	None detected at detection limit of 0.0042 %
Delta 9-THC	None detected at detection limit of 0.0083 %
Delta 8-THC	None detected at detection limit of 0.0167 %
THCA	None detected at detection limit of 0.0167 %
CBC	<0.250 mg/g
THCVA	None detected at detection limit of 0.0042 %
CBNA	None detected at detection limit of 0.0042 %
CBCA	None detected at detection limit of 0.0167 %
CBL	None detected at detection limit of 0.0042 %
Total Cannabinoids	89.9 mg/g
Total THC (THC + (THCA x 0.877))	Not Detected mg/g
Total CBD (CBD + (CBDA x 0.877))	84.7 mg/g
<b>Calculated Sample Weight *</b>	

\* This analysis or component is not ISO accredited.

Printed: 07-Feb-2022 6:41 pm

Page 1 of 9

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Analysis	Result
<b>Calculated Sample Weight *</b>	
Entity Weight	0.5695 g
Entity Fill Weight	0.3810 g
Entity Weight	0.5761 g
Entity Fill Weight	0.3917 g
<b>Aerobic Plate Count *</b>	
Aerobic Plate Count	<100 CFU/g
<b>E. coli *</b>	
Escherichia Coli	Absent /25 g
<b>Salmonella USP *</b>	
Salmonella	Absent /25 g
<b>Staphylococcus *</b>	
Staphylococcus Aureus	Absent /25 g
<b>Yeast and Mold Count *</b>	
Combined Yeast and Mold Count	<100 CFU/g
<b>Preparatory Testing of Nutritional and Dietary Supplements *</b>	
Salmonella Suitability Result	PASS
Staphylococcus Suitability Result	PASS
E. coli Suitability Result	PASS
Aerobic Plate Suitability Result	PASS
Total Combined Yeast-Molds Count	PASS
<b>Elements by ICP Mass Spectrometry</b>	
Arsenic	<10.0 ppb
Cadmium	<5.00 ppb
Lead	15.6 ppb
Mercury	<5.00 ppb

Analysis	Limit	Result	Pass/Fail
<b>Mycotoxins in Raw Materials</b>			
Aflatoxin B1		<0.00000100 mg/g	
Aflatoxin B2		<0.00000100 mg/g	

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Analysis	Limit	Result	Pass/Fail
<b>Mycotoxins in Raw Materials</b>			
Aflatoxin G1		<0.0000100 mg/g	
Aflatoxin G2		<0.0000100 mg/g	
Ochratoxin A	20 ppb	<0.0000100 mg/g	Pass
Sum of B1 B2 G1 and G2	20 ppb	<2.00 ppb	Pass
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
Abamectin	0.3 mg/kg	non-analyzable	
Acephate	5 mg/kg	<0.00010 mg/g	Pass
Acequinocyl	4 mg/kg	<0.0010 mg/g	Pass
Acetamiprid	5 mg/kg	<0.00010 mg/g	Pass
Aldicarb	0.1 mg/kg	<0.00010 mg/g	Pass
Aldicarb sulfone (Aldoxycarb)	0.1 mg/kg	<0.00010 mg/g	Pass
Aldicarb sulfoxide	0.1 mg/kg	<0.00010 mg/g	Pass
Azoxystrobin	40 mg/kg	<0.00010 mg/g	Pass
Bifenazate	5 mg/kg	<0.00010 mg/g	Pass
Bifenthrin	0.5 mg/kg	<0.00010 mg/g	Pass
Boscalid	10 mg/kg	<0.00010 mg/g	Pass
Captan	5 mg/kg	<0.00020 mg/g	Pass
Carbaryl	0.5 mg/kg	<0.00010 mg/g	Pass
Carbofuran	0.1 mg/kg	<0.00010 mg/g	Pass
Carbofuran-3-hydroxy-	0.1 mg/kg	<0.00010 mg/g	Pass
Chlorantraniliprole	40 mg/kg	<0.00010 mg/g	Pass
Chlordane, cis-	0.1 mg/kg	<0.00010 mg/g	Pass
Chlordane, trans-	0.1 mg/kg	<0.00010 mg/g	Pass
Chlorfenapyr	0.1 mg/kg	<0.00010 mg/g	Pass
Chlorpyrifos	0.1 mg/kg	<0.00010 mg/g	Pass
Clofentezine	0.5 mg/kg	<0.00010 mg/g	Pass
Coumaphos	0.1 mg/kg	<0.00010 mg/g	Pass
Cyfluthrin	1 mg/kg	<0.00010 mg/g	Pass
Cypermethrin	1 mg/kg	<0.00010 mg/g	Pass

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
Methyl parathion	0.1 mg/kg	<0.00010 mg/g	Pass
Pentachloroaniline	0.2 mg/kg	<0.00010 mg/g	Pass
Pentachlorobenzene	0.2 mg/kg	<0.00010 mg/g	Pass
Pentachlorobenzonitrile	0.2 mg/kg	<0.00010 mg/g	Pass
Pentachlorothioanisole	0.2 mg/kg	<0.00010 mg/g	Pass
Permethrin	20 mg/kg	<0.00010 mg/g	Pass
Phosmet	0.2 mg/kg	<0.00010 mg/g	Pass
Piperonylbutoxide	8 mg/kg	<0.00010 mg/g	Pass
Prallethrin	0.4 mg/kg	<0.00010 mg/g	Pass
Propiconazole (sum of isomers)	20 mg/kg	<0.00010 mg/g	Pass
Propoxur	0.1 mg/kg	<0.00010 mg/g	Pass
Pyrethrins	1 mg/kg	<0.0010 mg/g	Pass
Pyridaben	3 mg/kg	<0.00010 mg/g	Pass
Pentachloronitrobenzene	0.2 mg/kg	<0.00010 mg/g	Pass
Spinetoram	3 mg/kg	<0.00010 mg/g	Pass
Spinosad	3 mg/kg	<0.00010 mg/g	Pass
Spiromesifen	12 mg/kg	<0.00010 mg/g	Pass
Spirotetramat	13 mg/kg	<0.00010 mg/g	Pass
Spiroxamine	0.1 mg/kg	<0.00010 mg/g	Pass
Tebuconazole	2 mg/kg	<0.00010 mg/g	Pass
Thiacloprid	0.1 mg/kg	<0.00010 mg/g	Pass
Thiamethoxam	4.5 mg/kg	<0.00010 mg/g	Pass
Trifloxystrobin	30 mg/kg	<0.00010 mg/g	Pass
The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42.			-
<b>Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside</b>			
Daminozide	0.1 mg/kg	<0.00010 mg/g	Pass
Fenhexamid	10 mg/kg	<0.00010 mg/g	Pass

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Analysis	Limit	Result	Pass/Fail
<b>Multi-Residue Analysis for hemp products - BCC Pesticide List</b>			
Diazinon	0.2 mg/kg	<0.00010 mg/g	Pass
Dichlorvos	0.1 mg/kg	<0.00010 mg/g	Pass
Dimethoate	0.1 mg/kg	<0.00010 mg/g	Pass
Dimethomorph	20 mg/kg	<0.00010 mg/g	Pass
Ethoprophos	0.1 mg/kg	<0.00010 mg/g	Pass
Etofenprox	0.1 mg/kg	<0.00010 mg/g	Pass
Etoxazole	1.5 mg/kg	<0.00010 mg/g	Pass
Fenoxycarb	0.1 mg/kg	<0.00010 mg/g	Pass
Fenpyroximate	2 mg/kg	<0.00010 mg/g	Pass
Fipronil	0.1 mg/kg	<0.00010 mg/g	Pass
Fipronil desulfinyl	0.1 mg/kg	<0.00010 mg/g	Pass
Fipronil sulfone	0.1 mg/kg	<0.00010 mg/g	Pass
Flonicamid	2 mg/kg	<0.00010 mg/g	Pass
Fludioxonil	30 mg/kg	<0.00010 mg/g	Pass
Hexythiazox	2 mg/kg	<0.00010 mg/g	Pass
Imazalil	0.1 mg/kg	<0.00010 mg/g	Pass
Imidacloprid	3 mg/kg	<0.00010 mg/g	Pass
Kresoxim-methyl	1 mg/kg	<0.00010 mg/g	Pass
Malathion	5 mg/kg	<0.00010 mg/g	Pass
Metalaxyl	15 mg/kg	<0.00010 mg/g	Pass
Methiocarb	0.1 mg/kg	<0.00010 mg/g	Pass
Methiocarb sulfone	0.1 mg/kg	<0.00010 mg/g	Pass
Methiocarb sulfoxide	0.1 mg/kg	<0.00010 mg/g	Pass
Methomyl	0.1 mg/kg	<0.00010 mg/g	Pass
Mevinphos	0.1 mg/kg	<0.00010 mg/g	Pass
Myclobutanil	9 mg/kg	<0.00010 mg/g	Pass
Naled	0.5 mg/kg	<0.00010 mg/g	Pass
Oxamyl	0.2 mg/kg	<0.00010 mg/g	Pass
Paclobutrazol	0.1 mg/kg	<0.00010 mg/g	Pass

\* This analysis or component is not ISO accredited.

Prepared for:

**JOY ORGANICS**
**SG25**

Batch ID or Lot Number: <b>22053A</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>2/28/22</b>	Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528
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Matrix: Finished Product	Test ID: T000194654	Started: 2/24/22	USDA License: N/A
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Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 02/23/2022 @ 11:09 AM	Sampler ID: N/A
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### MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26, Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>Total Yeast and Mold*</b>	TM-24, Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	None Detected	
<b>STEC</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	3	
<b>Salmonella</b>	TM-25, PCR	10 <sup>0</sup> CFU/25 g	NA	NA	Absent	

*Carly Bader*  
 Carly Bader  
 2/27/2022  
 12:10:00 PM

*Jackson Osaghae-Nosa*  
 Jackson Osaghae-Nosa  
 2/28/2022  
 8:55:00 AM

PREPARED BY / DATE

APPROVED 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<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 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



Certificate #4329.02



C0207-001

sample ID 25809

7USC1639 Certificate of Analysis

certificate ID 1BJ61

total cannabinoids 93.01%

This Product Has Been Tested and Complies with 7USC1639o(1)

Stillwater Laboratories

THC total ND CBD total 87.33% terpenes

order 9806

analysis date 2/11/2021 12:21:52 PM

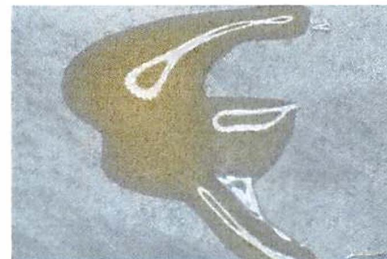
test tag 9806 2

sample wgt

Inspection MSP-7512

DESCRIPTION: Concentrate sample received in a client-labeled bottle, by commercial courier. Labeled 25809 and sample tag 9806 2

- caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool



extract

Potency per

Table with 5 columns: Compound, Result, LOD, LOQ, Error. Rows include tetrahydrocannabinolic acid (THCa), delta-9-tetrahydrocannabinol (delta-9 THC), delta-8-tetrahydrocannabinol (delta-8 THC), tetrahydrocannabivarin (THCv), cannabidiolic acid (CBDa), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGa), cannabigerol (CBG), cannabinol (CBN), and cannabichromene (CBC).

Terpenes

Table with 3 columns: Compound, Result, Error. Rows include caryophyllene, humulene, terpinolene, ocimene, beta pinene, alpha pinene, limonene, myrcene, and linalool.

† = decarbed NT = not tested NIL = no limit ND = not detected LOD = detection limit LOQ = quantitation limit

Main testing results table with columns: Category, Test Name, Result, Limit. Categories include Microbial, Solvents, Metals, Pesticides, and Inorganic. Includes detailed results for various substances like E. coli, Acetone, Arsenic, etc.

INSTRUMENTS
potency: HPLC (LC2030C-UV)
terpenes: GCMS (QP2020HS20)
solvents: GCMS (QP2020HS20)
pesticides: LCMS/MS (LC8060)
mycotoxins: LCMS/MS (LC8060)
microbial: qPCR (AriaMx) and plating
metals: ICP/MS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by: [Signature]

Kyle Larson, MSc (Biology)
Deputy Director

Stillwater Laboratories Inc.
MT License L00001, 7, 8
6073 US93N Suite 5
Olney MT 59927
406-881-2019

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ISO/IEC 17025:2017



Certificate #4961 01

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