

PRODUCT NAME: Joy Organics CBD Cream

PRODUCT STRENGTH: BATCH:

250 mg / bottle 22167-10

BEST BY DATE:

7/14/2024

Physical Atttributes

Test	Method	Specification	Results
Color	Joy Internal	off white to light cream	PASS
Odor	Joy Internal	Neutral with light hemp/CBD oil scent	PASS
Appearance	Joy Internal	Medium viscosity skin cream in white container with clear cap	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and tamper evident label 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^* : $\geq 250 \text{ mg} / \text{bottle}$	286mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)	Below LOQ	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	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	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 Quantification **Colony Forming Units per Gram † Parts Per Million †† Part Per Billion

Values expressed in scientific notation. 10^3=1,000

Quality Certified

9/7/2022

Date



12423 NE Whitaker Way Portland, OR 97230 503-254-1794



Report Number: 22-008528/D002.R000

Report Date: 07/22/2022 ORELAP#: OR100028 Purchase Order: PO-10633 Received: 07/20/22 11:25

Customer: Joy Organics Product identity: **CBD** Cream Client/Metrc ID: 22167-10

Laboratory ID: 22-008528-0001

Summary

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Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size 10.1 mg/1g
CBD	1.01		%		
CBG Analyte per 1g	0.0930 Result	Limits	% Units	Status	THC-Total per Serving Size <loq< td=""></loq<>
CBD per 1g CBG per 1g	10.1 0.930		mg/1g mg/1g	Ciaiai	(Reported in milligrams per serving)



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 OR100028

 Purchase Order:
 PO-10633

 Received:
 07/20/22 11:25

Customer: Joy Organics

Product identity: CBD Cream 250mg

Client/Metrc ID: 22167-10

Laboratory ID: 22-008528-0001 No

Evidence of Cooling: 23.9 °C
Temp: Relinquished UPS
by: Serving Size #1: 1 g

Sample Results

Potency	Method: J AOAC 2015 V	98-6 (mod) ^þ	Units %	Batch: 2206210	Analyze: 7/22/22 2:40:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD	1.01		%	0.0327	
CBD-A	< LOQ		%	0.00327	
CBD-Total	1.01		%	0.0355	
CBG	0.0930		%	0.00327	
CBG-A	< LOQ		%	0.00327	
CBG-Total	0.0930		%	0.00610	
CBN	< LOQ		%	0.00327	
$\Delta 8$ -THC	< LOQ		%	0.00327	
Δ9-THC	< LOQ		%	0.00327	
THC-A	< LOQ		%	0.00327	
THC-Total	< LOQ		%	0.00613	
Total Cannabinoids	1.10		%		

Potency per 1g	Method: J AOAC 2015 V	/98-6 (mod) ^þ	Units mg/se Ba	atch: 2206210	Analyze: 7/22/22 2:40:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1g	10.1		mg/1g	0.327	
CBD-A per 1g	< LOQ		mg/1g	0.0327	
CBD-Total per 1g	10.1		mg/1g	0.355	
CBG per 1g	0.930		mg/1g	0.0327	
CBG-A per 1g	< LOQ		mg/1g	0.0327	
CBG-Total per 1g	0.930		mg/1g	0.0610	
CBN per 1g	< LOQ		mg/1g	0.0327	
$\Delta 8$ -THC per 1g	< LOQ		mg/1g	0.0327	
Δ9-THC per 1g	< LOQ		mg/1g	0.0327	
THC-A per 1g	< LOQ		mg/1g	0.0327	
THC-Total per 1g	< LOQ		mg/1g	0.0613	



Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

Prepared for:

HPC250-22167-10 CBD Cream

JOY ORGANICS

Batch ID or Lot Number: 22167-10	Test: Microbial Contaminants	Reported: 8/22/22	Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528
Matrix: Finished Product	Test ID: T000218088	Started: 8/16/22	USDA License: N/A
Status: Active	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating):	Received: 08/16/2022 @ 11:04 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	QUANTITATION RANGE	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	2.0x10^3 - 3.0x10^5 CFU/g	None Detected	Free from visual mold
Total Coliforms*	TM-27, Culture Plating	10^1 CFU/g	1.0x10^2 - 1.5x10^4 CFU/g	None Detected	mildew, and foreign matter
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	2.0x10^2 - 3.0x10^4 CFU/g	None Detected	
STEC	TM-25, PCR	10^0 CFU/25 g	N/A	Absent	
Salmonella	TM-25, PCR	10^0 CFU/25 g	N/A	Absent	

Rett Retur

Brett Hudson 8/22/2022 4:23:00 PM

Eden Thompson

Eden Thompson-Wright 8/22/2022 5:14:00 PM

PREPARED BY / DATE

Certificate Number 4329.01

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: $10^2 = 100 \text{ CFU}$

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 SC Laboratories, Inc. SC Laboratories, Inc 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA



CDPHE Certified





Prepared for:

JOY ORGANICS

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

HPC250-22167-10 CBD Cream

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 1 of 4
22167-10	Various	Topical	
Reported:	Started:	Received:	
18Aug2022	17Aug2022	16Aug2022	

Residual Solvents -Colorado Compliance

Test ID: T000218090

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1963	ND	
Butanes (Isobutane, n-Butane)	203 - 4065	ND	_
Methanol	69 - 1376	ND	
Pentane	107 - 2141	ND	_
Ethanol	104 - 2076	ND	
Acetone	113 - 2257	ND	•
Isopropyl Alcohol	116 - 2321	148	_
Hexane	7 - 136	ND	_
Ethyl Acetate	113 - 2269	ND	_
Benzene	0.2 - 4.5	ND	_
Heptanes	113 - 2258	ND	_
Toluene	20 - 403	ND	_
Xylenes (m,p,o-Xylenes)	150 - 2997	ND	_

Final Approval

Sawantha Small 19Aug2022 06:37:00 PM MDT

Sam Smith

PREPARED BY / DATE

Daniel Westersail

Daniel Weidensaul 19Aug2022 06:51:00 PM MDT

APPROVED BY / DATE



Prepared for:

JOY ORGANICS

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

HPC250-22167-10 CBD Cream

Batch ID or Lot Number: 22167-10	Test, Test ID and Methods: Various	Matrix: Topical	Page 2 of 4
Reported:	Started:	Received:	
18Aug2022	17Aug2022	16Aug2022	

Pesticides

Test ID: T000218087 Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)
Abamectin	308 - 2732	ND
Acephate	40 - 2787	ND
Acetamiprid	40 - 2697	ND
Azoxystrobin	41 - 2712	ND
Bifenazate	41 - 2673	ND
Boscalid	39 - 2759	ND
Carbaryl	39 - 2720	ND
Carbofuran	43 - 2690	ND
Chlorantraniliprole	38 - 2716	ND
Chlorpyrifos	41 - 2732	ND
Clofentezine	289 - 2730	ND
Diazinon	290 - 2770	ND
Dichlorvos	277 - 2714	ND
Dimethoate	42 - 2706	ND
E-Fenpyroximate	286 - 2760	ND
Etofenprox	41 - 2760	ND
Etoxazole	288 - 2736	ND
Fenoxycarb	41 - 2701	ND
Fipronil	40 - 2771	ND
Flonicamid	47 - 2738	ND
Fludioxonil	256 - 2768	ND
Hexythiazox	40 - 2773	ND
lmazalil	274 - 2744	ND
Imidacloprid	41 - 2733	ND
Kresoxim-methyl	22 - 2788	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	270 - 2721	ND
Metalaxyl	44 - 2712	ND
Methiocarb	38 - 2734	ND
Methomyl	39 - 2706	ND
MGK 264 1	158 - 1631	ND
MGK 264 2	113 - 1163	ND
Myclobutanil	44 - 2705	ND
Naled	48 - 2733	ND
Oxamyl	40 - 2690	ND
Paclobutrazol	42 - 2711	ND
Permethrin	293 - 2771	ND
Phosmet	39 - 2677	ND
Prophos	281 - 2721	ND
Propoxur	42 - 2700	ND
Pyridaben	295 - 2764	ND
Spinosad A	30 - 2258	ND
Spinosad D	47 - 504	ND
Spiromesifen	272 - 2759	ND
Spirotetramat	265 - 2748	ND
Spiroxamine 1	17 - 1172	ND
Spiroxamine 2	23 - 1571	ND
Tebuconazole	302 - 2715	ND
Thiacloprid	42 - 2687	ND
Thiamethoxam	37 - 2727	ND
Trifloxystrobin	41 - 2734	ND

Final Approval

Samantha Smoth

Sam Smith 18Aug2022 02:14:00 PM MDT

PREPARED BY / DATE

Manheme 12:39:00 PM MDT APPROVED BY / DATE

Karen Winternheimer 19Aug2022



Notes N/A

Prepared for:

JOY ORGANICS

5042 Technology Parkway Ste. 500 FT. COLLINS, CO USA 80528

HPC250-22167-10 CBD Cream

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 4
22167-10	Various	Topical	
Reported:	Started:	Received:	
18Aug2022	17Aug2022	16Aug2022	

Mycotoxins - Colorado Compliance

Test ID: T000218091

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	
Ochratoxin A	2.41 - 128.60	ND	
Aflatoxin B1	1.36 - 33.06	ND	
Aflatoxin B2	1.17 - 32.90	ND	
Aflatoxin G1	1.02 - 33.44	ND	
Aflatoxin G2	1.05 - 33.51	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

Sawantha Small 22Aug2022 02:59:00 PM MDT

PREPARED BY / DATE

Sam Smith

Jacob Miller 22Aug2022 03:00:00 PM MDT

APPROVED BY / DATE

Heavy Metals -

Colorado Compliance

Test ID: T000218089

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.56	ND	
Cadmium	0.04 - 4.44	ND	-
Mercury	0.04 - 4.49	ND	-
Lead	0.04 - 4.39	ND	_

Final Approval

PREPARED BY / DATE

Daniel Weidensaul 24Aug2022 06:50:00 PM MDT

Courtney Richards 24Aug2022 08:09:00 PM MDT

APPROVED BY / DATE