



JOY ORGANICS

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Joy Organics CBD Softgels with Melatonin
PRODUCT STRENGTH: 25 mg CBD / 1 mg Melatonin
LOT NUMBER: _____
BEST BY DATE: _____
SOFTGEL LOT NUMBER*: [ND2519-03](#)

Click on the links to view third-party reports

Physical Attributes

Test	Method	Specification	Results
Color	SOP-100	Golden to Amber	PASS
Odor	SOP-100	N/A	PASS
Appearance	SOP-100	Dry, ovoid softgel capsules in container with lid and shrinkband	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	SOP-132	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	SOP-111	23.75-31.25 mg CBD LOQ**: 10 PPM† (0.001%)		PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	ND	PASS
Compliant Pesticide Panel	SOP-111	WIP-10008 : Product Specification for Softgels, Oregon Action Limits apply	ND	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
Microbial - Yeast/Mold	SOP-111	Complies with USP 61/62	BELOW LOD	PASS
CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	ND	PASS

**Level of Quantitation, † Parts Per Million

Quality Certified

Darcie Moran

Darcie Moran

Date

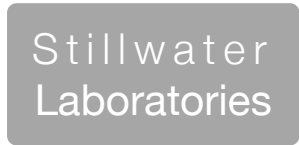
Director of Quality Assurance

Softgel Melatonin



total cannabinoids	Δ^9 -THC	THCa	total THC
25 mg	0 mg	0 mg	0 mg
per	CBD	CBDa	total CBD
0.6g capsule	24 mg	0 mg	25 mg

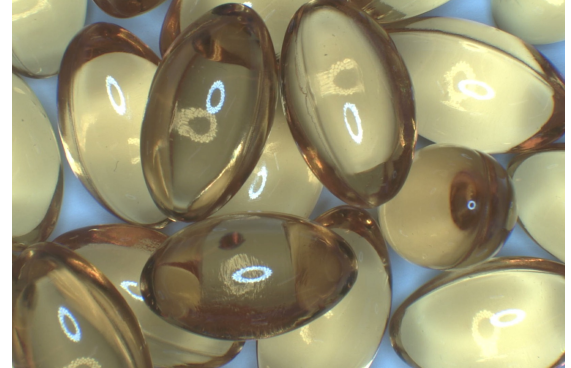
Lot # ND2519-03



<https://portal.a2la.org/scopepdf/4961-01.pdf>

Sample Handling

test ID	sample wt	18.1 g
type	order	7393
lab ID	sample date	0EU94
unit	unit weight	0.6 g



Methods

method	equipment
weights	MSP-7.3.1.3 AUX120.1
potency	MSP-7.5.1.5 LC-2030
terpenes	MSP-7.5.1.7 QP2020/HS20
pesticides	MSP-7.5.1.8 LC-8060
mycotoxins	MSP-7.5.1.8 LC-8060
microbial	MSP-7.5.1.9 Hardy Diag
solvents	MSP-7.5.1.6 QP2020/HS20
metals	MSP-7.5.1.1 ICPMS2030

Potency	per	0.6g capsule	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
tetrahydrocannabinolic acid (THCa)	.02%	0 mg	± 0.01 mg	terpenes not tested / not required						
Δ^9 -tetrahydrocannabinol (Δ^9 THC)	0%	0 mg	± 0.01 mg							
Δ^8 -tetrahydrocannabinol (Δ^8 THC)	0%	0 mg	± 0.01 mg							
tetrahydrocannabivarin (THCv)	0%	0 mg	± 0.01 mg							
cannabidiolic acid (CBDa)	.01%	0 mg	± 0.01 mg							
cannabidiol (CBD)	4.08%	24 mg	± 0.13 mg							
cannabidivarin (CBDv)	.09%	1 mg	± 0.02 mg							
cannabigerolic acid (CBGa)	0%	0 mg	± 0.01 mg							
cannabigerol (CBG)	0%	0 mg	± 0.01 mg							
cannabinol (CBN)	0%	0 mg	± 0.01 mg							
cannabichromene (CBC)	0%	0 mg	± 0.01 mg							

Solvents	MT limit	0EU94	LOQ	Pesticides (MT)	MT limit	0EU94	LOQ	Pesticides (other)	0EU94	LOQ
solvents not tested / not required				abamectin	0.00 ppm	<10ppb		acephate	0.00 ppm	<10ppb
				acequinocyl	0.00 ppm	<10ppb		acetamiprid	0.00 ppm	<10ppb
				bifenazate	0.00 ppm	<10ppb		aldicarb	0.00 ppm	<10ppb
				bifenthrin	0.00 ppm	<10ppb		azoxystrobin	0.00 ppm	<10ppb
				chloromequat cl.	0.00 ppm	<10ppb		boscalid	0.00 ppm	<10ppb
				cyfluthrin	0.00 ppm	<80ppb		carbaryl	0.00 ppm	<10ppb
				diaminozide	0.00 ppm	<10ppb		carbofuran	0.00 ppm	<10ppb
				etoxazole	0.00 ppm	<10ppb		chlorantraniliprole	0.00 ppm	<10ppb
				fenoxycarb	0.00 ppm	<10ppb		chlorpyrifos	0.00 ppm	<10ppb
				imazalil	0.00 ppm	<10ppb		clofentezine	0.00 ppm	<10ppb
				imidacloprid	0.00 ppm	<10ppb		cypermethrin	0.00 ppm	<10ppb
				myclobutanil	0.00 ppm	<10ppb		diazinon	0.00 ppm	<10ppb
				paclobutrazol	0.00 ppm	<10ppb		dichlorvos	0.00 ppm	<10ppb
			pyrethrins	0.00 ppm	<10ppb		dimethoate	0.00 ppm	<10ppb	
			spinosad	0.00 ppm	<10ppb		etofenprox	0.00 ppm	<10ppb	
			spiromesifen	0.00 ppm	<10ppb		fenpyroximate	0.00 ppm	<10ppb	
			spirotetramat	0.00 ppm	<10ppb		fipronil	0.00 ppm	<10ppb	
			trifloxystrobin	0.00 ppm	<10ppb		flonicamid	0.00 ppm	<10ppb	

Toxic Metals	MT limit	0EU94	LOQ
arsenic	2 ppm	0.0 ppm	<10ppb
cadmium	4.1 ppm	0.0 ppm	<10ppb
lead	1.2 ppm	0.0 ppm	<10ppb
mercury	0.4 ppm	0.0 ppm	<10ppb

Comments

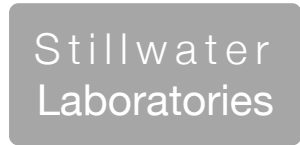
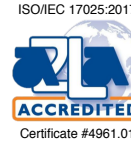
Microbial	MT limit	0EU94	LOQ
<i>E. coli</i>	10 CFU	0 CFU	<10 CFU/g
Salmonella sp.	10 CFU	0 CFU	<10 CFU/g
molds	10000 CFU	0 CFU	<10k CFU/g
Aflatoxin B1,B2,G1,G2	20 ppb	0 ppb	<20 ppb
Ochratoxin A	20 ppb	0 ppb	<20 ppb

• All testing was completed onsite at 6073 US93N, Olney MT • Potency (cannabinoid concentration) is calculated from the equation: [cannabinoid] = [cannabinoid]_{HPLC} x volume_{dilution}/m_{dry}. Terpene concentration is calculated from the equation: [terpene] = (terpene mass)_{GCMS} / m_{dry}. ••• Decarboxyated cannabinoid concentration is calculated from the equation XXX_{total} = 0.877 x XXX_a + XXX •••• Standards are used to calibrate the resulting data and estimate error using a standard estimate of error method; this is combined with error from weighing and dilution using the propagation of error formula s_g² = Σ(∂f/∂i)²s_i² where i is the contributor to error. The 95% confidence range is calculated from the equation: (concentration) ± t_{CL90} x s_g. Sampling error is not

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406-881-2019 rdb@stwlabs.com

malathion	0.00 ppm	<10ppb
metalaxyl	0.00 ppm	<10ppb
methiocarb	0.00 ppm	<10ppb
methomyl	0.00 ppm	<10ppb
oxamyl	0.00 ppm	<10ppb
permethrins	0.00 ppm	<10ppb
phosmet	0.00 ppm	<10ppb
piperonyl butoxide	0.00 ppm	<10ppb
prallethrin	0.00 ppm	<10ppb
propiconazole	0.00 ppm	<10ppb
pyridaben	0.00 ppm	<10ppb
spiroxamine	0.00 ppm	<10ppb
tebuconazole	0.00 ppm	<10ppb
thiacloprid	0.00 ppm	<10ppb
thiamethoxam	0.00 ppm	<10ppb



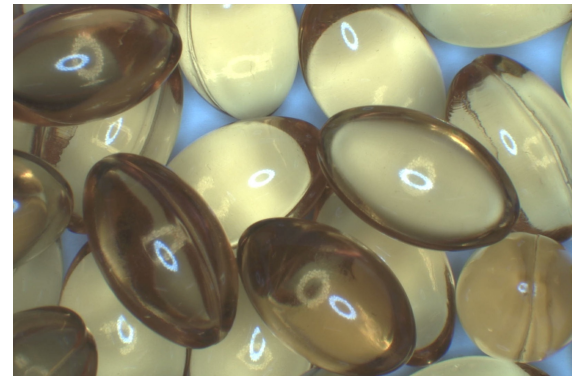
https://portal.a2la.org/scopepdf/4961-01.pdf

Sample Handling

test ID sample date 6/29/20 5:13 PM
 order 7680 labID 0FW43 weight 18.4 g
 source

Methods	method	equipment
weights	MSP-7.3.1.3	AUX120.1
potency	MSP-7.5.1.5	LC-2030
terpenes	MSP-7.5.1.7	QP2020/HS20
pesticides	MSP-7.5.1.8	LC-8060
mycotoxins	MSP-7.5.1.8	LC-8060
microbial	MSP-7.5.1.9	Hardy Diag
solvents	MSP-7.5.1.6	QP2020/HS20
metals	MSP-7.5.1.10	ICPMS2030

capsule



Potency	%	estimated error	Terpenes	%	estimated error	%	estimated error	%	estimated error
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potency
not tested

terpenes
not tested / not required

Solvents	MT limit	0FW43	LOQ	Pesticides (MT)	MT limit	0FW43	LOQ	Pesticides (other)	0FW43	LOQ
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solvents
not tested / not required

pesticides
not tested / not required

not tested /
not required

Toxic Metals	MT limit	0FW43	LOQ
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metals
not tested / not required

Microbial	MT limit	0FW43	LOQ
<i>E. coli</i>	10 CFU	0 CFU	<10 CFU/g
Salmonella sp.	10 CFU	0 CFU	<10 CFU/g
molds	10000 CFU	0 CFU	<10k CFU/g

Comments

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