

JOYTM

ORGANICS

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: THC-Free Phytocannabinoid-Rich Soft Gel, 25 mg per soft gel

PRODUCT CODE: ND-GC-NO-25mg-BULK

LOT NUMBER: JP021419GC2 (Sales Order# TOSM-019-JH-A, Total of 12,500 soft gels)

BATCH NUMBER: GCND2519-01

DATE OF MANUFACTURE: 29Jan2019

Expiration date is 18 months under sealed conditions at room temperature.

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Polysorbate Emulsifiers, Medium Chain Triglycerides (MCT oil), Beta Caryophyllene. **Gelatin Shell:** Bovine-derived Gelatin, Glycerin, Sorbitol and Water

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Oval soft gelatin capsule	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Light Yellow	Conforms	QCU002
Cannabinoid Content ¹	25 mg total Phytocannabinoids per Soft Gel, (95 - 110% of target concentration), THC Not Detected	27.2 mg total Phytocannabinoids per Soft Gel, THC Not Detected	QCU001
Microbial Testing	Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g	Conforms	USP<2021

Package	Acceptance Criteria	Results
Primary Package	Container dedusted and wiped clean. Container caps screwed on tight	Conforms
Secondary Package	Carton Sturdy and clean. Sufficient cushion material exists. Carton taped on all sides	Conforms

Storage: Room Temperature, Protect from Light and Protect from Moisture

Prepared by:  Inspection Control, Folium Biosciences

Reviewed by:  Fulfillment, Folium Biosciences

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.

JOY[™]

ORGANICS

CERTIFICATE OF INTERNAL ANALYSIS

TYPE: THC-free Phytocannabinoid-Rich (PCR)

Soft Gel

BATCH No: GCND2519-01

Date of Manufacture: 29Jan2019

Date of Analysis: 31Jan2019

Total Active PCR oil per Soft Gel: 27.2 mg

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	4.31	43.12
CBG	<0.03	<0.30
CBN	<0.03	<0.30
THC	ND**	ND**
CBC	<0.03	<0.30
THC-A	ND**	ND**
CBD-A	<0.03	<0.30
MAX THC	ND**	ND**
MAX CBD	4.31	43.12
TOTAL ACTIVE	4.31	43.12

Residual Solvents*:

Propane	Compliant with USP<467>	Pentane	Compliant with USP<467>
Isobutane	Compliant with USP<467>	Isopropanol	Compliant with USP<467>
Butane	Compliant with USP<467>	Hexane	Compliant with USP<467>
Ethanol	Compliant with USP<467>	Acetone	Compliant with USP<467>

Heavy Metals*:

Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

TERPENE RESULTS*:

	Wt. (%)		Wt. (%)
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	P-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Pesticides*:

Acequinocyl	ND***	Spinosad	ND***
Pyrethrium	ND***	Spirotetramat	ND***
Spiromesifen	ND***	Bifenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Paclobutrazol	ND***

Test ID: 013119SA/013119APO

*Batches are sent out regularly for testing, not all batches tested

** ND = Not Detected using a validated high-performance liquid chromatography test method%

*** Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release:

Chemist: Sophia Aires

Sophia Aires 01Feb2019

Manager: Kathryn Sears

Kathryn Sears 01Feb2019

SA 01Feb2019
COPY



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



Job Number: 19-002200
Report Number: 19-002200-00
Report Date: 03/11/2019
ORELAP#: OR100028
Purchase Order:
Received: 03/04/19 09:35

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: SG25
Laboratory ID: 19-002200-0003

Client Batch ID: SG25-T008
Sample Date:

Summary

Potency:

Analyte per 0.5g	Result	Limits	Units	LOQ	
CBD per 0.5g	26.9		mg/0.5g	0.0167	CBD-Total per 0.5g 26.9 mg/0.5g
CBDV per 0.5g†	0.183		mg/0.5g	0.0167	THC-Total per 0.5g < 0.031 mg/0.5g
(Reported in milligrams per serving)					

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Customer: My CBD Test
Product identity: SG25
Client/Metric ID: .
Sample Date:
Laboratory ID: 19-002200-0003
Relinquished by: Received By Mail
Temp: 14.1 °C
Client Batch ID: SG25-T008
Serving Size #1: 0.5 g

Sample Results

Potency per 0.5g		Batch: 1901932					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBC-A per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBC-Total per 0.5g [†]	< LOQ		mg/0.5g	0.0313	03/08/19	J AOAC 2015 V98-6	
CBD per 0.5g	26.9		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBD-A per 0.5g	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBD-Total per 0.5g	26.9		mg/0.5g	0.0313	03/08/19	J AOAC 2015 V98-6	
CBDV per 0.5g [†]	0.183		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBDV-A per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBDV-Total per 0.5g [†]	0.183		mg/0.5g	0.0311	03/08/19	J AOAC 2015 V98-6	
CBG per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBG-A per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBG-Total per 0.5g [†]	< LOQ		mg/0.5g	0.0313	03/08/19	J AOAC 2015 V98-6	
CBL per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
CBN per 0.5g	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
Δ8-THC per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
Δ9-THC per 0.5g	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
THC-A per 0.5g	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
THC-Total per 0.5g	< LOQ		mg/0.5g	0.0313	03/08/19	J AOAC 2015 V98-6	
THCV per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
THCV-A per 0.5g [†]	< LOQ		mg/0.5g	0.0167	03/08/19	J AOAC 2015 V98-6	
THCV-Total per 0.5g [†]	< LOQ		mg/0.5g	0.0311	03/08/19	J AOAC 2015 V98-6	

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Mold	< LOQ		cfu/g	10	1901806	03/08/19	AOAC 997.02 (Petrifilm)	X
Yeast	< LOQ		cfu/g	10	1901806	03/08/19	AOAC 997.02 (Petrifilm)	X

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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1901961 Analyze 03/08/19 10:12 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass	
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazol	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximat	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< LOQ	1.0	0.400	pass	
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass	
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass	
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass	
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass	
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass	
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass	
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass	
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass	
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass	
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass	
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass	
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass	
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass	
Spiroxamin	< LOQ	0.40	0.200	pass		Tebuconazol	< LOQ	0.40	0.200	pass	
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass	
Trifloxystrobin	< LOQ	0.20	0.100	pass							

Metals									
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes	
Arsenic	< LOQ		mg/kg	0.0485	1901925	03/06/19	AOAC 2013.06 (mod)	X	
Cadmium	< LOQ		mg/kg	0.0485	1901925	03/06/19	AOAC 2013.06 (mod)	X	
Lead	< LOQ		mg/kg	0.0485	1901925	03/06/19	AOAC 2013.06 (mod)	X	
Mercury	< LOQ		mg/kg	0.0243	1901925	03/06/19	AOAC 2013.06 (mod)	X	

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



Job Number: 19-002200
Report Number: 19-002200-00
Report Date: 03/11/2019
ORELAP#: OR100028
Purchase Order:
Received: 03/04/19 09:35

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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

mg/kg = Milligram per kilogram

mg/0.5g = Milligram per 0.5g

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager

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Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0430