

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.

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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*:

	Compliant with USP<467>		Compliant with USP<467>
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