



Folium Biosciences

CERTIFICATE OF QUALITY ASSURANCE

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

PRODUCT CODE: GCME-NO-25mg-BULK

LOT NUMBER: MRV040519GC11 (Sales Order# DDWE-007-CT-C, Total of 7,500 soft gels)

BATCH NUMBER: GC/MEL/CHAM19-02

DATE OF MANUFACTURE: 25Mar2019

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

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil, Melatonin, Roman Chamomile

INACTIVE INGREDIENTS: Polysorbate Emulsifiers, Medium Chain Triglycerides (MCT oil), Beta Caryophyllene.

Composition of the Shell: 40% 150 Bloom Bone Gelatin, 19% Glycerin, 3% Sorbitol, 38% Water, (coloring: Red 40, Red 3, Yellow 5, Yellow 6, Blue 1, and Blue 2 added to 25mg softgel capsules).

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Oval soft gelatin capsule	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Green	Conforms	QCU002
Cannabinoid Content	25 mg total Phytocannabinoids per Soft Gel, (95 - 110% of target concentration), THC Not Detected	27 mg total Phytocannabinoids per Soft Gel, THC Not Detected	QCU001
Melatonin Content	1 mg Melatonin/per soft gel	1.01 mg total	Advanced Botanical Consulting & Testing, Inc.Method: ALC154A
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: Bm Rhr Inspection Control, Folium Biosciences

Reviewed by: Audrey Katal Fulfillment, Folium Biosciences

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



CERTIFICATE OF INTERNAL ANALYSIS

TYPE: THC-free Phytocannabinoid-Rich (PCR)
Soft Gel

BATCH No: GC/Mel/Cham19-02

Date of Manufacture: 25Mar2019

Date of Analysis: 04Apr2019

Total Active PCR oil per Soft Gel: 27.00mg

Total Melatonin per Soft Gel: 1.01mg****

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	4.37	43.70
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	4.37	43.70
TOTAL ACTIVE	4.37	43.70

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	0.1-0.1
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***	Paclitaxel	ND***

Test ID: 7253935.0014-.0015 tested by Botanacor

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

** ND = Not Detected using a validated high-performance liquid chromatography test method, LOD = 0.03%

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

**** Melatonin Tested by ABC Test Labs #260267

Batch Release:

Chemist: Ashley Orosco

Ashley Orosco 04Apr2019

Manager: Kathryn Sears

Kathryn Sears 04Apr 2019

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04Apr2019