



# Folium Biosciences

## CERTIFICATE OF QUALITY ASSURANCE

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

**PRODUCT CODE:** ND-GCC3-NO-25mg-BULK

**LOT NUMBER:** DR022519GC1 (Sales Order# TOSM-020-JH-B, Total of 30,000 soft gels)

**BATCH NUMBER:** GC/C3ND2519-01

**DATE OF MANUFACTURE:** 25Feb2019

*Expiration date is 18 months under sealed conditions.*

**ACTIVE INGREDIENTS:** THC-Free Phytocannabinoid-Rich Hemp Oil, Curcumin

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

| Attributes          | Acceptance Criteria  | Results  | Test Method               |
|---------------------|--|--|---------------------------|
| Appearance          | Oval soft gelatin capsule  | Conforms   | QCU002                    |
| Odor                | Characteristic   | Conforms   | QCU002                    |
| Color               | Dark Reddish Amber   | Conforms   | QCU002                    |
| Cannabinoid Content | 25 mg Phytocannabinoids per soft gel (95 - 110% of target concentration)<br>THC Not Detected | 26.05 mg total Phytocannabinoids per soft gel,<br>THC Not Detected | QCU001                    |
| Curcumin Content    | 10 mg Curcumin per soft gel  | 13.43 mg Curcumin per soft gel                                     | Eurofins Scientific K0203 |
| Microbial Testing   | Total Aerobic Count <2000 CFU/g<br>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: *Melissa M. Collins* Inspection Control, Folium Biosciences

Reviewed by: *Gabrielle Oneal* 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/C3ND2519-01

**Date of Manufacture:** 25Feb2019

**Date of Analysis:** 25Feb2019

**Total Active PCR oil per Soft Gel:** 26.05 mg

**Total Curcumin per Soft Gel:** 13.43 mg

### POTENCY RESULTS:

| Cannabinoid  | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD          | 4.17    | 41.69  |
| 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      | 4.17    | 41.69  |
| TOTAL ACTIVE | 4.17    | 41.69  |

### 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. (%) |
|------------------------|---------|---------------------|---------|
| $\beta$ -Bisabolene    | 1.0-3.0 | Camphene            | 0.1-0.2 |
| $\beta$ -Farnesene     | 1.0-2.0 | E-Farnesene         | 0.1-0.2 |
| Guaiol                 | 0.5-2.0 | Farnesol            | 0.1-0.1 |
| $\beta$ -Maaliene      | 0.5-2.0 | $\alpha$ -Bisabolol | < 0.1   |
| Calarene               | 0.5-1.5 | P-Cymene            | < 0.1   |
| $\beta$ -Caryophyllene | 0.1-1.0 | Linalool            | < 0.1   |
| $\alpha$ -Humulene     | 0.1-1.0 | Myrcene             | < 0.1   |
| Cadinene               | 0.1-1.0 | Phytol              | < 0.1   |
| $\alpha$ -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   |
| $\alpha$ -Pinene       | 0.1-0.5 | Myrcene             | < 0.1   |
| Aristolene             | 0.1-0.3 | $\gamma$ -Terpinene | < 0.1   |
| Eucalyptol             | 0.1-0.2 | $\delta$ -3-Carene  | < 0.1   |

### Pesticides\*:

|              |       |               |       |
|--------------|-------|---------------|-------|
| Acequinocyl  | ND*** | Spinosad      | ND*** |
| Pyrethrum    | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate    | ND*** |
| Abamectin    | ND*** | Fenoxycarb    | ND*** |
| Imidacloprid | ND*** | Paclitaxel    | ND*** |

Test ID: DEF\_LC, 256751 (Curcumin testing from ABC Testing)

\*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)

### Batch Release:

Chemist: Zosha McKinney

Manager: Kathryn Sears

26 Feb 2019

26 Feb 2019

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