



## CERTIFICATE OF QUALITY ASSURANCE

**PRODUCT NAME:** CBD Butter

Oil

**PRODUCT CODE:** NO-15kg-BULK

**LOT NUMBER:** JP031219B3 (Sales Order# PRSH-004-SN-A, Total of 15,150 g cannabinoids, Total of 17,139.9 g Oil)

**OIL BATCH NUMBER:** CONO19-35

**DATE OF MANUFACTURE:** 08Mar2019

*Expiration date is 24 months under sealed conditions.*

**ACTIVE INGREDIENT:** THC-Free Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** N/A

| Attributes          | Acceptance Criteria                                              | Results                                          | Test Method |
|---------------------|------------------------------------------------------------------|--------------------------------------------------|-------------|
| Appearance          | Viscous Amber Oil<br>Possible Crystal Formation                  | Conforms                                         | QCU002      |
| Odor                | Characteristic                                                   | Conforms                                         | QCU002      |
| Color               | Dark Amber                                                       | Conforms                                         | QCU002      |
| Dissolution         | Not cloudy or turbid, characteristic color                       | Conforms                                         | QCU002      |
| Cannabinoid Content | 80% total Phytocannabinoids, THC - report results                | 88.39% total Phytocannabinoids, THC Not Detected | QCU001      |
| 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 |

**Note:** When sampling, manufacturing, or formulating with this oil, the oil MUST first be heated and liquefied at 70-75°C and mixed thoroughly. Attempting to sample the oil when it is in a semi-solid state will not result in accurate analytical results.

**Storage:** Room Temperature, Protect from Light

Prepared by: Gabrielle Oneal Inspection Control, Folium Biosciences

Reviewed by: Erica Carls Fulfillment, Folium Biosciences

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



# NATURAL

## CERTIFICATE OF INTERNAL ANALYSIS

TYPE: CBD Butter

BATCH No: CONO19-35

Date of Manufacture: 08Mar2019

Date of Analysis: 08Mar2019

### POTENCY RESULTS:

| Cannabinoid  | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD          | .43     | 4.3    |
| CBG          | <0.02   | <0.2   |
| CBN          | <0.02   | <0.2   |
| THC          | ND**    | ND**   |
| CBC          | <0.02   | <0.2   |
| THC-A        | ND**    | ND**   |
| CBD-A        | 0.03    | 0.3    |
| MAX THC      | ND**    | ND**   |
| MAX CBD      | .52     | 5.2    |
| TOTAL ACTIVE | .52     | 5.2    |

### 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            | 0.1-0.2 |
| $\beta$ -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*** |
| Pyrethrium   | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate    | ND*** |
| Abamectin    | ND*** | Fenoxycarb    | ND*** |
| Imidacloprid | ND*** | Paclobutrazol | ND*** |

Test ID: 030819ZM

\*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)

**SPECIAL NOTE:** Process enhancement has recently been implemented to remove excess pigmentation from the oil due to customer requests. While the color of the future oil batches will be golden to light amber, its composition and the broad spectrum characteristics remain unchanged.

### Batch Release:

Chemist: Sophia Aires

Manager: Kathryn Sears

*Sophia Aires* 11 Mar 2019

*Kathryn Sears* 11 Mar 2019

SA 11Mar2019  
**COPY**