



# Botanima Organics

## CERTIFICATE OF QUALITY ASSURANCE

**PRODUCT NAME:** THC-Free Phytocannabinoid-Rich Hemp Oil Tinctures

**PRODUCT CODE:** T-NO-250mg/1oz-MI-MCT-BULK

**LOT NUMBER:** JM072919T3 (Sales Order# BOIN-001-EG-2, Total of 103 g cannabinoids, Total of 11,424 g Oil)

**OIL BATCH NUMBER:** CONO19-60

**DATE OF MANUFACTURE:** 29Jul2019

*Expiration date is 18 months under sealed conditions.*

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

**INACTIVE INGREDIENTS:** Medium Chain Triglycerides (MCT Oil), Peppermint Oil, Stevia

| Attributes          | Acceptance Criteria                                     | Results   | Test Method |
|---------------------|---|---|-------------|
| Appearance          | Thin Oil  | Conforms  | QCU002      |
| Odor                | Characteristic  | Conforms  | QCU002      |
| Color               | Clear to Light Yellow                                   | Conforms  | QCU002      |
| Cannabinoid Content | 95 - 110% of target concentration, THC - Report results | 250 mg total Phytocannabinoids per 1 oz, THC Not Detected | QCU001      |

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

Note: Bulk tinctures assume an oil density of 0.92g/mL. Therefore, to fill 1 oz tinctures, we recommend filling them to 28 grams in order to ensure accurate dosing. The density can be used to calculate the fill weight for other package sizes.

Storage: Room Temperature, Protect from Light

Prepared by: Janell Miner Inspection Control, Folium Biosciences

Reviewed by: John D. Beach 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:** Phytocannabinoid-Rich Hemp Oil/ THC-free  
**BATCH No:** CONO19-60  
**Date of Manufacture:** 21Apr2019  
**Date of Analysis:** 22Apr2019

### POTENCY RESULTS:

| Cannabinoid  | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD          | 82.46   | 824.56 |
| 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      | 82.46   | 824.56 |
| TOTAL ACTIVE | 82.46   | 824.56 |

### 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*** |
| Pyrethrum    | ND*** | Spirotetramat | ND*** |
| Spiromesifen | ND*** | Bifenazate    | ND*** |
| Abamectin    | ND*** | Fenoxycarb    | ND*** |
| Imidacloprid | ND*** | Paclobutrazol | ND*** |

Test ID: 0422195A

\*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: Zosha McKinney

Manager: Vanesa Fernandez

23Apr2019

23Apr 2019

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