



CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Advanced Nano Tincture

PRODUCT CODE: ANT-250mg-NF-BULK

LOT NUMBER: JM053019T1 (Sales Order# FACH-001-JG-2, 255 g cannabinoids, total formulation of 37,026 g)

OIL BATCH NUMBER: COHPCR19-29

DATE OF MANUFACTURE: 30May2019

Expiration date is 12 months under sealed conditions.

ACTIVE INGREDIENT: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: quillaja extract, glycerin, flavoring

| Attributes | Acceptance Criteria | Results | Test Method |
|---------------------|---|--|-------------|
| Appearance | Translucent Syrup | Conforms | QCU002 |
| Color | Orange | Conforms | QCU002 |
| Cannabinoid Content | 250 mg Phytocannabinoids per 1 oz, (tolerance 95-110% of target) THC Not Detected | 250 mg Phytocannabinoids per 1 oz, THC Not Detected | QCU002 |
| Microbial Testing | Total Aerobic Count <2000 CFU/g Total Yeast & Mold <200 CFU/g | Conforms | QCU001 |

| 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: Bulk tinctures have a density of 1.21 g/mL. Therefore, to fill 30-mL tinctures, we recommend filling them to 36.3 g in order to ensure accurate dosing. The density can be used to calculate the fill weight for other package sizes.

Storage: Room temperature, protected from heat and light. Do not freeze.

Prepared by: Janele W... 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: Hydro-PCR Nanoemulsion

BATCH No: COHPCR19-29

Date of Manufacture: 08May2019

Date of Analysis: 20May2019

POTENCY RESULTS:

| Cannabinoid | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD | 3.87 | 38.74 |
| 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 |
| CBDV | 0.05 | 0.54 |
| THCV | ND** | ND** |
| MAX THC | ND** | ND** |
| MAX CBD | 3.87 | 38.74 |
| TOTAL ACTIVE | 3.93 | 39.28 |

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 | < 0.1 | Camphene | < 0.1 |
| β-Farnesene | < 0.1 | E-Farnesene | < 0.1 |
| Guaiol | < 0.1 | Farnesol | < 0.1 |
| β-Maaliene | < 0.1 | α-Bisabolol | < 0.1 |
| Calarene | < 0.1 | P-Cymene | < 0.1 |
| β-Caryophyllene | < 0.1 | Linalool | < 0.1 |
| α-Humulene | < 0.1 | Myrcene | < 0.1 |
| Cadinene | < 0.1 | Phytol | < 0.1 |
| α-Gurjunene | < 0.1 | Isopulegol | < 0.1 |
| d-Limonene | < 0.1 | Terpinene | < 0.1 |
| Nerolidol | < 0.1 | Geraniol | < 0.1 |
| α-Pinene | < 0.1 | Myrcene | < 0.1 |
| Aristolene | < 0.1 | γ-Terpinene | < 0.1 |
| Eucalyptol | < 0.1 | 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: 052019SA

*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: Lena Johnson

Manager: Ashley Orosco

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21 May 2019