



George & Mae
 High Banks
 Leigh Road
 Devon
 EX18 7BL

CERTIFICATE OF QUALITY ASSURANCE

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

PRODUCT CODE: T-NO-500mg/1oz-Le-MCT-BULK

LOT NUMBER: CG071218T9

OIL BATCH NUMBER: CONO18-31

DATE OF MANUFACTURE: 12Jul2018

Expiration date is 18 months under sealed conditions.

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Medium Chain Triglycerides (MCT Oil), Lemon Oil

| Attributes | Acceptance Criteria | Results | Test Method |
|---------------------|---|---|------------------|
| Appearance | Thin Oil | Conforms | QCU002 or QAU005 |
| Odor | Characteristic | Conforms | QCU002 or QAU005 |
| Color | Light Amber | Conforms | QCU002 or QAU005 |
| Cannabinoid Content | 95 - 110% of target concentration, THC - Report results | 500 mg total Phytocannabinoids per 1 oz, THC Not Detected | QCU001 or QAU005 |

| 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 assume an oil density of 0.92g/mL. Therefore, to fill 30mL tinctures, we recommend filling them to 27g in order to ensure accurate dosing. The density can be used to calculate the fill weight for other package sizes.

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POTENCY RESULTS:

| Cannabinoid | Wt. (%) | (mg/g) |
|--------------|---------|--------|
| CBD | 88.31 | 883.14 |
| CBG | < 0.03 | < 0.3 |
| CBN | < 0.03 | < 0.3 |
| THC | ND** | ND** |
| CBC | < 0.03 | < 0.3 |
| THC-A | ND** | ND** |
| CBD-A | 0.06 | 0.57 |
| MAX THC | ND** | ND** |
| MAX CBD | 88.36 | 883.64 |
| TOTAL ACTIVE | 88.36 | 883.64 |

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** |
| Pyrethrium | ND** | Spirotetramat | ND** |
| Spiromesifen | ND** | Bifenazate | ND** |
| Abamectin | ND** | Fenoxycarb | ND** |
| Imidacloprid | ND** | Paclobotrazol | ND** |

*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%

Batch Release:

Chemist: Ashley Orosco

Ashley Orosco 10 Jul 2018

Manager: Jennifer Berkbigler

Jennifer Berkbigler 10 Jul 2018