

Certificate of Quality Assurance

PRODUCT NAME: Tranquil Mint Tincture

PRODUCT STRENGTH: 450 mg

LOT NUMBER: HTM500-T233

OIL BATCH NUMBER: CONO19-89

DATE OF MANUFACTURE: 10/2/2019

Expiration date is 18 months under sealed conditions.

DATE OF ANALYSIS: 10/2/2019

ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Organic Olive Oil, Organic Peppermint Oil, Humulene, Myrcene, Beta-caryophyllene

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ORGANICS

Physical Attributes of Raw Hemp Oil

| Attribute | Acceptance Criteria | Result |
|-------------------|---|----------|
| Appearance | Viscous Dark Amber Oil Possible Crystal Formation | Conforms |
| Aroma | Characteristic Hemp Aroma | Conforms |
| Dissolution | Not Cloudy or Turbid, Characteristic Color | Conforms |
| Microbial Testing | Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g | Conforms |

Cannabinoid Potency of Raw Hemp Oil

| Cannabinoid | Weight % |
|-------------|----------|
| CBD | 84.99 |
| CBG | <0.03 |
| CBN | <0.03 |
| THC | ND |
| CBC | <0.03 |
| THC-A | ND |
| CBD-A | <0.03 |

Pesticides*

| Compound | Result | Compound | Result |
|--------------|--------|---------------|--------|
| Acequinocil | ND | Spinosad | ND |
| Pyrethrium | ND | Spirotetramat | ND |
| Spiromesifin | ND | Bifenazate | ND |
| Abamectin | ND | Fenoxycarb | ND |
| Imidacloprid | ND | Paclobutrazol | ND |

Terpene Results*

| Compound | Weight % | Compound | Weight % |
|------------------------|----------|---------------------|----------|
| β -Bisabolene | 1.0-3.0 | Camphene | 0.1-0.2 |
| β -Farnesene | 1.0-2.0 | E-Farnesene | 0.1-0.2 |
| Gualol | 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 |

Residual Solvents*

| Solvent | Weight % |
|-------------|-------------------------|
| Acetone | Compliant with USP<467> |
| Butane | Compliant with USP<467> |
| Ethanol | Compliant with USP<467> |
| Hexane | Compliant with USP<467> |
| Isobutane | Compliant with USP<467> |
| Isopropanol | Compliant with USP<467> |
| Pentane | Compliant with USP<467> |

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ACTIVE INGREDIENT: Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Organic Olive Oil, Organic Peppermint Oil, Humulene, Myrcene, Beta-caryophyllene

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ORGANICS

Heavy Metals*

| Metal | Result |
|---------|-------------------------|
| Cadmium | Compliant with USP<233> |
| Lead | Compliant with USP<233> |
| Arsenic | Compliant with USP<233> |
| Mercury | Compliant with USP<233> |

Analysis Results for Finished Product

| Attribute | Acceptance Criteria | Result |
|---------------------|--|----------|
| Appearance | Clear Colorless to Light Yellow Liquid | Conforms |
| Aroma | Characteristic Mint Flavor | Conforms |
| Cannabidiol Content | 95 to 110% of Label Claim | Conforms |
| THC Content | None Detected | Conforms |

* Results based on testing of multiple batches of hemp oil raw material.

Quality Certified by:



10-7-19

Matthew Plenert, Ph.D
Head Chemist and Laboratory Manager

Date

QC Unit released by:



10-7-19

David Boaz
QC Manager

Date



Product identity: HTM500-T233
Laboratory ID: 19-012170-0003

Client/Metric ID:
Sample Date:

Summary

Potency:

| Analyte per 29.57ml | Result | Limits | Units | Status | |
|--------------------------------------|--------|--------|------------|--------|--|
| CBD per 29.57ml | 436 | | mg/29.57ml | | CBD-Total per 29.57ml 436 mg/29.57ml |
| CBDV per 29.57ml [†] | 6.58 | | mg/29.57ml | | THC-Total per 29.57ml < 1.695 mg/29.57ml |
| (Reported in milligrams per serving) | | | | | |

Pesticides:

All analytes passing and less than LOQ.

Terpenes:

| Analyte | Percent by weight | Percent of Total | Analyte | Percent by weight | Percent of Total |
|-----------------------------------|-------------------|------------------|-------------------------|-------------------|------------------|
| β-Caryophyllene [†] | 0.205 | 25.59% | Menthol [†] | 0.191 | 23.85% |
| β-Myrcene [†] | 0.183 | 22.85% | Humulene [†] | 0.153 | 19.10% |
| Isoborneol [†] | 0.0361 | 4.51% | Eucalyptol [†] | 0.0326 | 4.07% |
| Total Terpenes[†] | 0.801 | 100.00% | | | |

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Customer: My CBD Test
Product identity: HTM500-T233
Client/Metric ID: .
Sample Date:
Laboratory ID: 19-012170-0003
Relinquished by: Received By Mail
Temp: 18.6 °C
Serving Size #1: 27.08 g

Sample Results

| Potency per 29.57ml | | Batch: 1909223 | | | | | |
|-------------------------------------|--------|----------------|------------|-------|----------|-------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Analyze | Method | Notes |
| CBC per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBC-A per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBC-Total per 29.57ml [†] | < LOQ | | mg/29.57ml | 1.70 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBD per 29.57ml | 436 | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBD-A per 29.57ml | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBD-Total per 29.57ml | 436 | | mg/29.57ml | 1.70 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBDV per 29.57ml [†] | 6.58 | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBDV-A per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBDV-Total per 29.57ml [†] | 6.58 | | mg/29.57ml | 1.68 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBG per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBG-A per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBG-Total per 29.57ml [†] | < LOQ | | mg/29.57ml | 1.70 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBL per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| CBN per 29.57ml | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| Δ8-THC per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| Δ9-THC per 29.57ml | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| THC-A per 29.57ml | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| THC-Total per 29.57ml | < LOQ | | mg/29.57ml | 1.70 | 10/15/19 | J AOAC 2015 V98-6 | |
| THCV per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| THCV-A per 29.57ml [†] | < LOQ | | mg/29.57ml | 0.903 | 10/15/19 | J AOAC 2015 V98-6 | |
| THCV-Total per 29.57ml [†] | < LOQ | | mg/29.57ml | 1.68 | 10/15/19 | J AOAC 2015 V98-6 | |

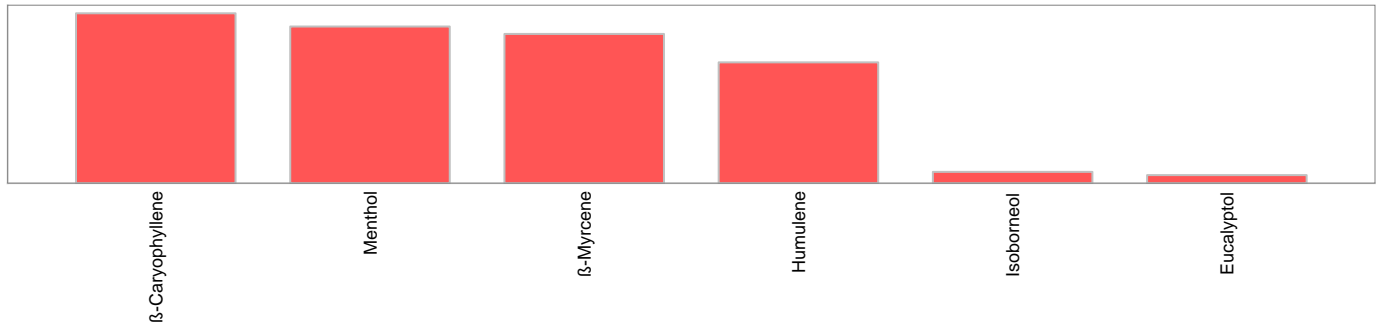
| Microbiology | | | | | | | | |
|-------------------------|--------|--------|-------|-----|---------|----------|-------------------------|-------|
| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
| E.coli | < LOQ | | cfu/g | 10 | 1909029 | 10/10/19 | AOAC 991.14 (Petrifilm) | X |
| Total Coliforms | < LOQ | | cfu/g | 10 | 1909029 | 10/10/19 | AOAC 991.14 (Petrifilm) | X |
| Mold (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1909035 | 10/10/19 | AOAC 2014.05 (RAPID) | X |
| Yeast (RAPID Petrifilm) | < LOQ | | cfu/g | 10 | 1909035 | 10/10/19 | AOAC 2014.05 (RAPID) | X |

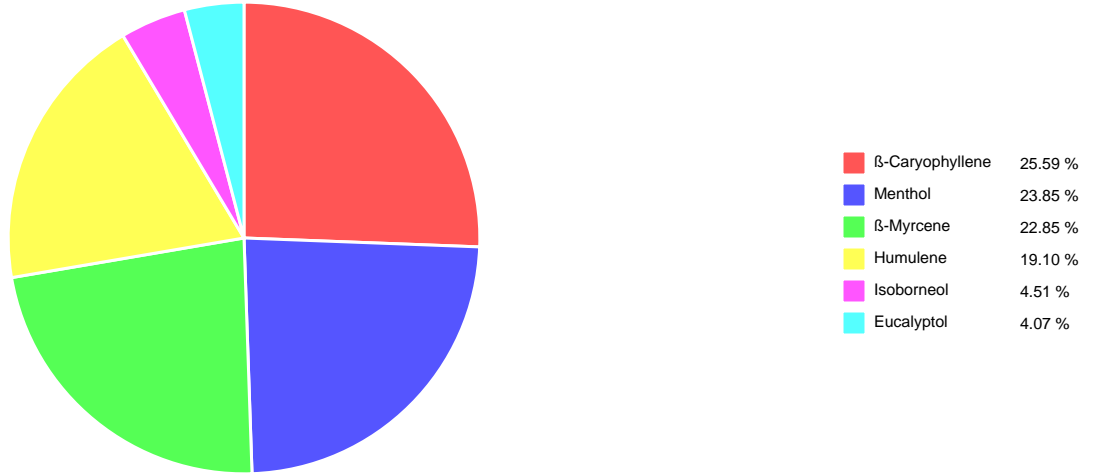


| Pesticides | | | | | Method AOAC 2007.01 & EN 15662 (mod) | | | | | Units mg/kg | | | | | Batch 1909088 | | | | | Analyze 10/09/19 08:56 AM | | | | |
|------------------|--------|--------|-------|--------|--------------------------------------|---------------------|--------|--------|-------|-------------|-------|---------|--------|--------|---------------|--------|-------|---------|--------|---------------------------|-----|--------|-------|--|
| Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes | Analyte | Result | Limits | LOQ | Status | Notes | |
| Abamectin | < LOQ | 0.50 | 0.250 | pass | | Acephate | < LOQ | 0.40 | 0.250 | pass | | | | | | | | | | | | | | |
| Acequinocyl | < LOQ | 2.0 | 1.00 | pass | | Acetamiprid | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Aldicarb | < LOQ | 0.40 | 0.200 | pass | | Azoxystrobin | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Bifenazate | < LOQ | 0.20 | 0.100 | pass | | Bifenthrin | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Boscalid | < LOQ | 0.40 | 0.100 | pass | | Carbaryl | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Carbofuran | < LOQ | 0.20 | 0.100 | pass | | Chlorantraniliprole | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Chlorfenapyr | < LOQ | 1.0 | 0.500 | pass | | Chlorpyrifos | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Clofentezine | < LOQ | 0.20 | 0.100 | pass | | Cyfluthrin (incl. | < LOQ | 1.0 | 0.500 | pass | | | | | | | | | | | | | | |
| Cypermethrin | < LOQ | 1.0 | 0.500 | pass | | Daminozide | < LOQ | 1.0 | 0.500 | pass | | | | | | | | | | | | | | |
| Diazinon | < LOQ | 0.20 | 0.100 | pass | | Dichlorvos | < LOQ | 1.0 | 0.500 | pass | | | | | | | | | | | | | | |
| Dimethoate | < LOQ | 0.20 | 0.100 | pass | | Ethoprophos | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Etofenprox | < LOQ | 0.40 | 0.200 | pass | | Etoxazole | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Fenoxycarb | < LOQ | 0.20 | 0.100 | pass | | Fenpyroximate | < LOQ | 0.40 | 0.200 | pass | | | | | | | | | | | | | | |
| Fipronil | < LOQ | 0.40 | 0.200 | pass | | Fonicamid | < LOQ | 1.0 | 0.400 | pass | | | | | | | | | | | | | | |
| Fludioxonil | < LOQ | 0.40 | 0.200 | pass | | Hexythiazox | < LOQ | 1.0 | 0.400 | pass | | | | | | | | | | | | | | |
| Imazalil | < LOQ | 0.20 | 0.100 | pass | | Imidacloprid | < LOQ | 0.40 | 0.200 | pass | | | | | | | | | | | | | | |
| Kresoxim-methyl | < LOQ | 0.40 | 0.200 | pass | | Malathion | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Metalaxyl | < LOQ | 0.20 | 0.100 | pass | | Methiocarb | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Methomyl | < LOQ | 0.40 | 0.200 | pass | | MGK-264 | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Myclobutanil | < LOQ | 0.20 | 0.100 | pass | | Naled | < LOQ | 0.50 | 0.250 | pass | | | | | | | | | | | | | | |
| Oxamyl | < LOQ | 1.0 | 0.500 | pass | | Paclobutrazole | < LOQ | 0.40 | 0.200 | pass | | | | | | | | | | | | | | |
| Parathion-Methyl | < LOQ | 0.20 | 0.200 | pass | | Permethrin | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Phosmet | < LOQ | 0.20 | 0.100 | pass | | Piperonyl butoxide | < LOQ | 2.0 | 1.00 | pass | | | | | | | | | | | | | | |
| Prallethrin | < LOQ | 0.20 | 0.100 | pass | | Propiconazole | < LOQ | 0.40 | 0.200 | pass | | | | | | | | | | | | | | |
| Propoxur | < LOQ | 0.20 | 0.100 | pass | | Pyrethrin I (total) | < LOQ | 1.0 | 0.500 | pass | | | | | | | | | | | | | | |
| Pyridaben | < LOQ | 0.20 | 0.100 | pass | | Spinosad | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Spiromesifen | < LOQ | 0.20 | 0.100 | pass | | Spirotetramat | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Spiroxamine | < LOQ | 0.40 | 0.200 | pass | | Tebuconazole | < LOQ | 0.40 | 0.200 | pass | | | | | | | | | | | | | | |
| Thiacloprid | < LOQ | 0.20 | 0.100 | pass | | Thiamethoxam | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | |
| Trifloxystrobin | < LOQ | 0.20 | 0.100 | pass | | | | | | | | | | | | | | | | | | | | |



| Terpenes | | | | Method J AOAC 2015 V98-6 | Units % | Batch 1909110 | Analyze 10/09/19 01:27 PM | | |
|--------------------------|--------------|-------|------------|--------------------------|----------------------|---------------|---------------------------|------------|-------|
| Analyte | Result | LOQ | % of Total | Notes | Analyte | Result | LOQ | % of Total | Notes |
| β-Caryophyllene† | 0.205 | 0.020 | 25.59% | | Menthol† | 0.191 | 0.020 | 23.85% | |
| β-Myrcene† | 0.183 | 0.020 | 22.85% | | Humulene† | 0.153 | 0.020 | 19.10% | |
| Isoborneol† | 0.0361 | 0.020 | 4.51% | | Eucalyptol† | 0.0326 | 0.020 | 4.07% | |
| (R)-(+)-Limonene† | < LOQ | 0.020 | 0.00% | | (-)-a-Terpineol† | < LOQ | 0.020 | 0.00% | Q2 |
| (-)-caryophyllene oxide† | < LOQ | 0.020 | 0.00% | | (-)-Guaial† | < LOQ | 0.020 | 0.00% | |
| (-)-Isopulegol† | < LOQ | 0.020 | 0.00% | | (-)-β-Pinene† | < LOQ | 0.020 | 0.00% | |
| (+)-Borneol† | < LOQ | 0.020 | 0.00% | | (+)-Cedrol† | < LOQ | 0.020 | 0.00% | |
| (+)-fenchol† | < LOQ | 0.020 | 0.00% | | (+)-Pulegone† | < LOQ | 0.020 | 0.00% | |
| (±)-Camphor† | < LOQ | 0.020 | 0.00% | | (±)-cis-Nerolidol† | < LOQ | 0.020 | 0.00% | |
| (±)-fenchone† | < LOQ | 0.020 | 0.00% | | (±)-trans-Nerolidol† | < LOQ | 0.020 | 0.00% | |
| a-Bisabolol† | < LOQ | 0.020 | 0.00% | | a-cedrene† | < LOQ | 0.020 | 0.00% | |
| a-phellandrene† | < LOQ | 0.020 | 0.00% | | a-pinene† | < LOQ | 0.020 | 0.00% | |
| a-Terpinene† | < LOQ | 0.020 | 0.00% | | Camphene† | < LOQ | 0.020 | 0.00% | |
| cis-β-Ocimene† | < LOQ | 0.006 | 0.00% | | d-3-Carene† | < LOQ | 0.020 | 0.00% | |
| farnesene† | < LOQ | 0.020 | 0.00% | | gamma-Terpinene† | < LOQ | 0.020 | 0.00% | |
| Geraniol† | < LOQ | 0.020 | 0.00% | | Geranyl acetate† | < LOQ | 0.020 | 0.00% | |
| Linalool† | < LOQ | 0.020 | 0.00% | | nerol† | < LOQ | 0.020 | 0.00% | |
| p-Cymene† | < LOQ | 0.020 | 0.00% | | Sabinene† | < LOQ | 0.020 | 0.00% | |
| Sabinene hydrate† | < LOQ | 0.020 | 0.00% | | Terpinolene† | < LOQ | 0.020 | 0.00% | |
| trans-β-Ocimene† | < LOQ | 0.013 | 0.00% | | valencene† | < LOQ | 0.020 | 0.00% | |
| Total Terpenes | 0.801 | | | | | | | | |





Metals

| Analyte | Result | Limits | Units | LOQ | Batch | Analyze | Method | Notes |
|---------|--------|--------|-------|--------|---------|----------|---------------------|-------|
| Arsenic | < LOQ | | mg/kg | 0.0432 | 1909351 | 10/15/19 | AOAC 2013.06 (mod.) | X |
| Cadmium | < LOQ | | mg/kg | 0.0432 | 1909351 | 10/15/19 | AOAC 2013.06 (mod.) | X |
| Lead | < LOQ | | mg/kg | 0.0432 | 1909351 | 10/15/19 | AOAC 2013.06 (mod.) | X |
| Mercury | < LOQ | | mg/kg | 0.0216 | 1909351 | 10/15/19 | AOAC 2013.06 (mod.) | X |

This report cannot be used for ODA, OHA or OLCC compliance requirements.



Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

cfu/g = Colony forming units per gram

g = Gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/27.08g = Milligram per 27.08g

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

Q2: Quality control outside QC limits. Data considered estimate.

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager