



Certificate ID: **59320**

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**Lux Botanics**

**2131 US 70, Suite a**

**Swannanoa, NC 28778**

**Attn: Nathan TAYLOR**

Client Sample ID: **Franny's 125mg Tincture**

Lot Number: **2**

Matrix: **Tincture - Hemp Oil**

Authorization:

Jon Podgorni, Lab Manager

Signature:



Date:

7/29/2019



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.


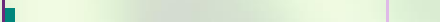

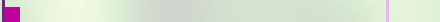
**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]**

*Analyst: JSG*

*Test Date: 7/20/2019*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

**59320-CN**

| ID      | Weight % | Concentration (mg/mL) |   |
|---------|----------|-----------------------|---|
| D9-THC  | ND       | ND                    |   |
| THCV    | ND       | ND                    |   |
| CBD     | 0.18     | 1.66                  |  |
| CBDV    | ND       | ND                    |   |
| CBG     | ND       | ND                    |   |
| CBC     | 0.01     | 0.05                  |  |
| CBN     | ND       | ND                    |   |
| THCA    | ND       | ND                    |   |
| CBDA    | 0.20     | 1.80                  |  |
| CBGA    | 0.01     | 0.08                  |  |
| D8-THC  | ND       | ND                    |   |
| exo-THC | ND       | ND                    |   |
| Total   | 0.40     | 3.60                  |   |
| Max THC | -        | -                     |   |
| Max CBD | 0.36     | 3.24                  |   |

Limit of Quantitation (LOQ) = 0.012 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LLD)

**EA: Elemental Analysis [WI-10-13]**

Analyst: JFD

Test Date: 7/19/2019

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**59320-EA**

| Symbol | Metal      | Conc. <sup>1</sup> | MDL        | Limits <sup>2</sup> | Status |
|--------|------------|--------------------|------------|---------------------|--------|
| Al     | Aluminum   | 420 ug/kg          | 5 ug/kg    | -                   |        |
| As     | Arsenic    | ND                 | 4 ug/kg    | 150 ug/kg           | PASS   |
| Cd     | Cadmium    | ND                 | 1 ug/kg    | 2500 ug/kg          | PASS   |
| Ca     | Calcium    | ND                 | 500 ug/kg  | -                   |        |
| Cr     | Chromium   | ND                 | 5 ug/kg    | -                   |        |
| Co     | Cobalt     | ND                 | 10 ug/kg   | -                   |        |
| Cu     | Copper     | ND                 | 500 ug/kg  | 100000 ug/kg        | PASS   |
| Fe     | Iron       | ND                 | 5 ug/kg    | -                   |        |
| Pb     | Lead       | 3 ug/kg            | 2 ug/kg    | 500 ug/kg           | PASS   |
| Mg     | Magnesium  | ND                 | 500 ug/kg  | -                   |        |
| Mn     | Manganese  | ND                 | 500 ug/kg  | -                   |        |
| Hg     | Mercury    | ND                 | 2 ug/kg    | 1500 ug/kg          | PASS   |
| Mo     | Molybdenum | ND                 | 50 ug/kg   | 10000 ug/kg         | PASS   |
| Ni     | Nickel     | ND                 | 50 ug/kg   | 50000 ug/kg         | PASS   |
| P      | Phosphorus | 2,380 ug/kg        | 500 ug/kg  | -                   |        |
| K      | Potassium  | 2,127 ug/kg        | 5 ug/kg    | -                   |        |
| Se     | Selenium   | ND                 | 10 ug/kg   | -                   |        |
| Ag     | Silver     | ND                 | 10 ug/kg   | -                   |        |
| S      | Sulfur     | 1,966 ug/kg        | 5 ug/kg    | -                   |        |
| Sn     | Tin        | ND                 | 5000 ug/kg | -                   |        |
| Zn     | Zinc       | ND                 | 5 ug/kg    | -                   |        |

1) ND = None detected to the Method Detection Limit (MDL)

2) USP recommended maximum daily limits for oral drug product.

**MY: Mycotoxin Testing [WI-10-05]**

Analyst: AKR

Test Date: 7/17/2019

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**59320-MY**

| Test ID          | Date      | Results | MDL   | Limits   | Status* |
|------------------|-----------|---------|-------|----------|---------|
| Total Aflatoxin  | 7/17/2019 | < MDL   | 2 ppb | < 20 ppb | PASS    |
| Total Ochratoxin | 7/17/2019 | < MDL   | 3 ppb | < 20 ppb | PASS    |

**PST: Pesticide Analysis [WI-10-11]**

Analyst: RAS

Test Date: 7/22/2019

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

**59320-PST**

| Analyte            | CAS         | Result | Units | LLD   | Limits (ppb) | Status |
|--------------------|-------------|--------|-------|-------|--------------|--------|
| Abamectin B1a      | 65495-55-3  | ND     | ppb   | 0.20  | 300          | PASS   |
| Abamectin B1b      | 65195-56-4  | ND     | ppb   | 0.20  | 300          | PASS   |
| Azoxystrobin       | 131860-33-8 | ND     | ppb   | 0.10  | 40000        | PASS   |
| Bifenazate         | 149877-41-8 | ND     | ppb   | 0.10  | 5000         | PASS   |
| Bifenthrin         | 82657-04-3  | ND     | ppb   | 0.20  | 500          | PASS   |
| Cyfluthrin         | 68359-37-5  | ND     | ppb   | 0.50  | 1000         | PASS   |
| Daminozide         | 1596-84-5   | ND     | ppb   | 10.00 | 10           | *      |
| Etoxazole          | 153233-91-1 | ND     | ppb   | 0.10  | 1500         | PASS   |
| Fenoxycarb         | 72490-01-8  | ND     | ppb   | 0.10  | 10           | PASS   |
| Imazalil           | 35554-44-0  | ND     | ppb   | 0.10  | 10           | PASS   |
| Imidacloprid       | 138261-41-3 | ND     | ppb   | 0.10  | 3000         | PASS   |
| Myclobutanil       | 88671-89-0  | ND     | ppb   | 0.10  | 9000         | PASS   |
| Paclobutrazol      | 76738-62-0  | ND     | ppb   | 0.10  | 10           | PASS   |
| Piperonyl butoxide | 51-03-6     | 29     | ppb   | 0.10  | 8000         | PASS   |
| Pyrethrin          | 8003-34-7   | ND     | ppb   | 0.1   | 1000         | PASS   |
| Spinosad           | 168316-95-8 | 1      | ppb   | 0.1   | 3000         | PASS   |
| Spiromesifen       | 283594-90-1 | ND     | ppb   | 0.10  | 12000        | PASS   |
| Spirotetramat      | 203313-25-1 | ND     | ppb   | 0.10  | 13000        | PASS   |
| Trifloxystrobin    | 141517-21-7 | ND     | ppb   | 0.10  | 30000        | PASS   |

\* Testing limits for ingestion established by the State of California: CCR, Title 16, Division 42, Chapter 5, Section 5313. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

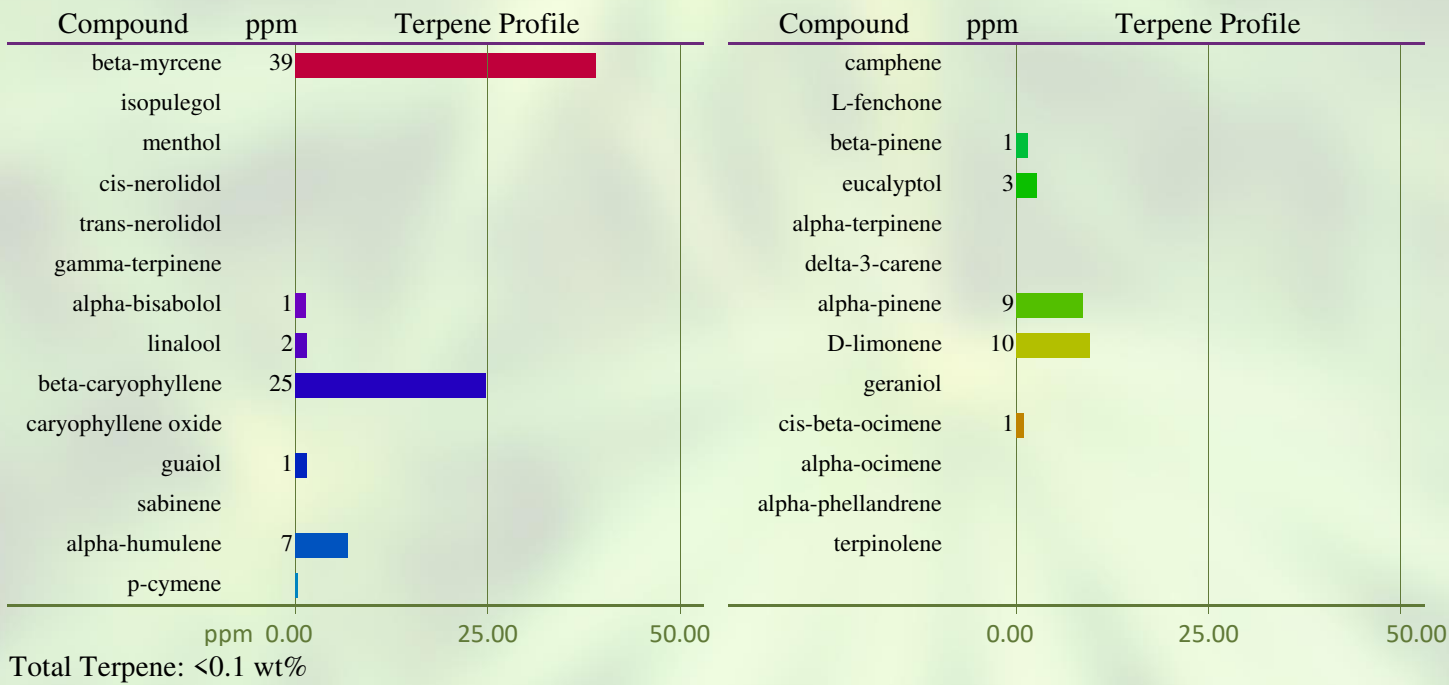
**TP: Terpenes Profile [WI-10-27]**

Analyst: CMA

Test Date: 7/18/2019

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations. All values are semiquantitative estimates based on recorded peak areas relative to terpene calibration data.

**59320-TP**



**END OF REPORT**