



Certificate ID: **128952**

Received: **11/7/24**

Scan QR Code for authenticity

**La Mend**

Client Sample ID: **Nite Nite Lot # MIDE**

**202 La Vista Drive**

Lot Number: **Lot # MIDE**

**Nashville, TN 37215**

Matrix: **Topicals-Transdermal Patch**



|   |  |                            |
|---|--|----------------------------|
| Authorization:<br><b>Andrew Aubin, Lab Director</b> | Signature:<br> | Date:<br><b>11/13/2024</b> |
|---|--|----------------------------|



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: **SD**

Test Date: **11/8/2024**

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.

**128952-CN**

| ID               | Weight %       | Concentration (mg/patch) |           |   |
|------------------|----------------|--------------------------|-----------|---|
| <b>Δ9-THC</b>    | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>THCV</b>      | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>CBD</b>       | <b>8.44</b>    | <b>19.2</b>              |           |   |
| <b>CBDV</b>      | <b>&lt;LOQ</b> | <b>&lt;LOQ</b>           |           |   |
| <b>CBG</b>       | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>CBC</b>       | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>CBN</b>       | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>THCA</b>      | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>CBDA</b>      | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>CBGA</b>      | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>CBDVA</b>     | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>Δ8-THC</b>    | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>exo-THC</b>   | <b>ND</b>      | <b>ND</b>                |           |   |
| <b>Total</b>     | <b>8.44</b>    | <b>19.2</b>              | <b>0%</b> | <b>Cannabinoids (wt%) 8.44%</b>                 |
| <b>Total THC</b> | <b>ND</b>      | <b>ND</b>                |           | <b>Limit of Quantitation (LOQ) = 0.0351 wt%</b> |
| <b>Total CBD</b> | <b>8.44</b>    | <b>19.2</b>              |           | <b>Limit of Detection (LOD) = 0.0117 wt%</b>    |

Total THC (and Total 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: Total 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 (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

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

Analyst: ZDV

Test Date: 11/7/2024

This sample was analyzed by elemental analysis using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for the identification of heavy metal constituents. External calibration curves for heavy metals were used for quantitation, with an additional internal reference standard. Resulting data was compared with a sample blank. 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.

**128952-EA**

| Symbol | Metal      | Conc. <sup>1</sup> (µg/kg) | RL (µg/kg) | Limits <sup>2</sup> (µg/kg) | Status |
|--------|------------|----------------------------|------------|-----------------------------|--------|
| Al     | Aluminum   | 1,480                      | 50         | -                           |        |
| As     | Arsenic    | ND                         | 50         | 15,000                      | PASS   |
| Cd     | Cadmium    | ND                         | 50         | 5,000                       | PASS   |
| Ca     | Calcium    | 2,140                      | 500        | -                           |        |
| Cr     | Chromium   | ND                         | 50         | 45,000                      | PASS   |
| Co     | Cobalt     | ND                         | 50         | -                           |        |
| Cu     | Copper     | 114                        | 50         | 3,100,000                   | PASS   |
| Fe     | Iron       | 186                        | 50         | -                           |        |
| Pb     | Lead       | ND                         | 50         | 400,000                     | PASS   |
| Mg     | Magnesium  | 2,850                      | 50         | -                           |        |
| Mn     | Manganese  | ND                         | 50         | -                           |        |
| Hg     | Mercury    | ND                         | 50         | 9,400                       | PASS   |
| Ni     | Nickel     | ND                         | 50         | 1,500,000                   | PASS   |
| P      | Phosphorus | ND                         | 500        | -                           |        |
| K      | Potassium  | 21,600                     | 500        | -                           |        |
| Se     | Selenium   | ND                         | 50         | -                           |        |
| Ag     | Silver     | ND                         | 50         | -                           |        |
| S      | Sulfur     | 85,900                     | 500        | -                           |        |
| Sn     | Tin        | ND                         | 500        | -                           |        |
| Zn     | Zinc       | 2,100                      | 50         | 15,000,000                  | PASS   |

1) ND = None detected to the Limit of Detection (LOD)

2) USP recommended limits for elemental analysis.

**MB1: Microbiological Contaminants [WI-10-09]**

Analyst: SRD

Test Date: 11/11/2024

This sample was analyzed for microbiological contaminants using an automated Most Probable Number (MPN) methodology with cultured enrichments. 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.

**128952-MB1**

| Symbol | Analysis                                | Results | Units | Limits*       | Status |
|--------|---|---------|-------|---------------|--------|
| AC     | Total Aerobic Bacterial Count           | =280    | CFU/g | 100,000 CFU/g | PASS   |
| CC     | Total Coliform Bacterial Count          | <100    | CFU/g | 1,000 CFU/g   | PASS   |
| EB     | Total Bile Tolerant Gram Negative Count | <100    | CFU/g | 1,000 CFU/g   | PASS   |
| YM     | Total Yeast & Mold                      | <100    | CFU/g | 10,000 CFU/g  | PASS   |

Recommended limits established by the American Herbal Pharmacopoeia (AHP) monograph for Cannabis Inflorescence [2013], for consumable botanical products, including processed and unprocessed cannabis materials, and solvent-based extracts. All recorded Microbiological tests are within the established limits.

**MB2: Pathogenic Bacterial Contaminants [WI-10-10]**

Analyst: SRD

Test Date: 11/12/2024

This sample was analyzed for pathogenic bacteria using an automated Enzyme Linked Fluorescent Assay (ELFA). 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. Quality control checks are performed monthly by running both a positive and a negative control sample for each pathogen. Reports may not be reproduced except in their entirety.

**128952-MB2**

| Test ID     | Analysis       | Results  | Units | Limits*      | Status |
|-------------|----------------|----------|-------|--------------|--------|
| 128952-ECPT | E. coli (O157) | Negative | NA    | Non Detected | PASS   |
| 128952-SPT  | Salmonella     | Negative | NA    | Non Detected | PASS   |

Note: All recorded pathogenic bacteria tests passed.

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

Analyst: CR

Test Date: 11/13/2024

This sample was analyzed for mycotoxins using an Immunoaffinity based assay (IA). Data was compared to readings from standard reference materials. 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.

**128952-MY**

| Test ID          | Date       | Results | MDL   | Limits   | Status* |
|------------------|------------|---------|-------|----------|---------|
| Total Aflatoxin  | 11/13/2024 | < MDL   | 2 ppb | < 20 ppb | PASS    |
| Total Ochratoxin | 11/13/2024 | < MDL   | 3 ppb | < 20 ppb | PASS    |

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

Analyst: KEM

Test Date: 11/7/2024

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).

**128952-PST**

| Analyte            | CAS         | Result | Units | LOD | Limits (ppb) | Status |
|--------------------|-------------|--------|-------|-----|--------------|--------|
| Abamectin          | 71751-41-2  | ND     | ppb   | 19  | 10           | PASS   |
| Azoxystrobin       | 131860-33-8 | ND     | ppb   | 5   | 100          | PASS   |
| Bifenazate         | 149877-41-8 | ND     | ppb   | 5   | 100          | PASS   |
| Bifenthrin         | 82657-04-3  | ND     | ppb   | 5   | 3000         | PASS   |
| Cyfluthrin         | 68359-37-5  | ND     | ppb   | 100 | 2000         | PASS   |
| Dichlorvos         | 62-73-7     | ND     | ppb   | 50  | 10           | PASS   |
| Etoxazole          | 153233-91-1 | ND     | ppb   | 5   | 100          | PASS   |
| Fenoxycarb         | 72490-01-8  | ND     | ppb   | 5   | 10           | PASS   |
| Imazalil           | 35554-44-0  | ND     | ppb   | 50  | 10           | PASS   |
| Imidacloprid       | 138261-41-3 | ND     | ppb   | 5   | 5000         | PASS   |
| Myclobutanil       | 88671-89-0  | ND     | ppb   | 5   | 100          | PASS   |
| Paclobutrazol      | 76738-62-0  | ND     | ppb   | 5   | 10           | PASS   |
| Piperonyl butoxide | 51-03-6     | ND     | ppb   | 5   | 3000         | PASS   |
| Pyrethrin          | 8003-34-7   | ND     | ppb   | 9   | 10           | PASS   |
| Spinosad           | 168316-95-8 | ND     | ppb   | 3   | 10           | PASS   |
| Spiromesifen       | 283594-90-1 | ND     | ppb   | 5   | 100          | PASS   |
| Spirotetramat      | 203313-25-1 | ND     | ppb   | 5   | 100          | PASS   |
| Trifloxystrobin    | 141517-21-7 | ND     | ppb   | 5   | 100          | PASS   |

\* Pesticide results reported against action limits established by the State of California Bureau of Cannabis Control, California Code of Regulations Title 16, Division 42. ND indicates "none detected" above the limit of detection (LOD). Analytes marked with (\*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample due to matrix interference.



**TP: Terpenes Profile [WI-10-37]**

Analyst: ZDV

Test Date: 11/9/2024

The sample was analyzed for terpenes (WI-10-37) utilizing solvent extraction followed by Gas Chromatography (GC) utilizing flame ionization detection (FID). Chromatographic data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

**128952-TP**

| Compound            | CAS        | Conc. (wt%) | Conc. (ppm) | Qualitative Profile |  |
|---------------------|------------|-------------|-------------|---------------------|--|
| alpha-pinene        | 80-56-8    | ND          | ND          |                     |  |
| camphene            | 79-92-5    | ND          | ND          |                     |  |
| sabinene            | 3387-41-5  | ND          | ND          |                     |  |
| beta-pinene         | 127-91-3   | ND          | ND          |                     |  |
| beta-myrcene        | 123-35-3   | ND          | ND          |                     |  |
| alpha-phellandrene  | 99-83-2    | ND          | ND          |                     |  |
| delta-3-carene      | 13466-78-9 | ND          | ND          |                     |  |
| alpha-terpinene     | 99-86-5    | ND          | ND          |                     |  |
| p-cymene            | 99-87-6    | ND          | ND          |                     |  |
| D-limonene          | 5989-27-5  | ND          | ND          |                     |  |
| eucalyptol          | 470-82-6   | 0.418       | 4,180       |                     |  |
| alpha-ocimene       | 502-99-8   | ND          | ND          |                     |  |
| beta-ocimene        | 13877-91-3 | ND          | ND          |                     |  |
| gamma-terpinene     | 99-85-4    | ND          | ND          |                     |  |
| L-fenchone          | 7787-20-4  | ND          | ND          |                     |  |
| terpinolene         | 586-62-9   | ND          | ND          |                     |  |
| linalool            | 78-70-6    | ND          | ND          |                     |  |
| isopulegol          | 89-79-2    | ND          | ND          |                     |  |
| menthol             | 89-78-1    | ND          | ND          |                     |  |
| geraniol            | 106-24-1   | ND          | ND          |                     |  |
| beta-caryophyllene  | 87-44-5    | ND          | ND          |                     |  |
| alpha-humulene      | 6753-98-6  | ND          | ND          |                     |  |
| cis-nerolidol       | 3790-78-1  | ND          | ND          |                     |  |
| trans-nerolidol     | 40716-66-3 | ND          | ND          |                     |  |
| caryophyllene oxide | 1139-30-6  | ND          | ND          |                     |  |
| guaïol              | 489-86-1   | ND          | ND          |                     |  |
| alpha-bisabolol     | 23089-26-1 | ND          | ND          |                     |  |

wt% 0.00 0.25 0.50

Total Terpene: 0.4 wt%

\* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

**VC: Analysis of Volatile Organic Compounds [WI-10-28]**

Analyst: KEM

Test Date: 11/8/2024

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.

**128952-VC**

| Compound     | CAS      | Amount <sup>1</sup> | Limit <sup>2</sup> | RL  | Status |
|--------------|----------|---------------------|--------------------|-----|--------|
| Propane      | 74-98-6  | ND                  | 1,000 ppm          | 4   | PASS   |
| Isobutane    | 75-28-5  | ND                  | 1,000 ppm          | 4   | PASS   |
| Butane       | 106-97-8 | ND                  | 1,000 ppm          | 4   | PASS   |
| Methanol     | 67-56-1  | ND                  | 3,000 ppm          | 100 | PASS   |
| Pentane      | 109-66-0 | ND                  | 5,000 ppm          | 100 | PASS   |
| Ethanol      | 64-17-5  | ND                  | 5,000 ppm          | 100 | PASS   |
| Acetone      | 67-64-1  | ND                  | 5,000 ppm          | 100 | PASS   |
| Isopropanol  | 67-63-0  | ND                  | 5,000 ppm          | 100 | PASS   |
| Acetonitrile | 75-05-8  | ND                  | 410 ppm            | 100 | PASS   |
| Hexane       | 110-54-3 | ND                  | 290 ppm            | 100 | PASS   |
| Heptane      | 142-82-5 | ND                  | 5,000 ppm          | 100 | PASS   |

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health for cannabis concentrates and extracts on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

(\*) For ethanol, as many formulations contain flavorings based on ethanol extracts of natural products, no status has been assigned.

**END OF REPORT**