

# VIRIDIS<sup>®</sup>

LABORATORIES

**Report To:** MJ Verdant  
**Address:** 1823 Commerce St.  
Muskegon, MI, 49441, USA  
**Customer License No.:** AU-G-C-000520  
**Report Date:** 11/27/2023

**Customer Unique ID:** Peanut Butter Breath BX3  
**Source METRC ID:** 1A405030001F979000011366  
**Sample METRC ID:** 1A405030001F979000011373  
**Date Sample Collected/Received:** 11/21/2023  
**Date Testing Completed:** 11/27/2023  
**Overall Result:** **PASS**

## Certificate of Analysis for Sample No. LN-23-CS-83410 v1

Date Authorized: 11/27/2023

Total Number of Pages: 4



This report is issued under the authority of:

**Michele A. Glinn, PhD**

Chief Science Officer

This report shall not be reproduced except in full without the written approval of the laboratory.  
Additional information regarding the test methods used by the laboratory is available upon request.  
Action limits listed are those for only cannabis and cannabis derived products as determined by the State of Michigan.  
Composite sample (CS) results are related only to the sample as collected according to LOM 5.1. Adhoc sample (AS) results are related only to the sample as recieved by the laboratory.

Ph: (833) 847-4347 Email: [AnalyticalServices@viridisgrp.com](mailto:AnalyticalServices@viridisgrp.com), Website: [viridis-labs.com](http://viridis-labs.com)



Viridis Laboratories (Lansing) and Viridis North (Bay City) are both ISO 17025: 2017 accredited.



**Sample No.:** LN-23-CS-83410  
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| Test Menu                                  | Percent | Level Detected | Units | Completed  | Lab |
|--|---------|----------------|-------|------------|-----|
| <b>Cannabinoids/Potency</b>                |         |                |       | 11/27/2023 | LN  |
| <b>Total THC</b>                           | 26.705% | 267.050        | mg/g  |            |     |
| <b>Total CBD</b>                           | 0.061%  | 0.610          | mg/g  |            |     |
| <b>Total Cannabinoids</b>                  | 32.230% | 322.298        | mg/g  |            |     |
| Delta-8-Tetrahydrocannabinol (Delta 8-THC) | 0.000%  | 0.000          | mg/g  |            |     |
| Cannabichromene (CBC)                      | 0.000%  | 0.000          | mg/g  |            |     |
| Cannabichromenic Acid (CBCA)               | 0.310%  | 3.103          | mg/g  |            |     |
| Cannabidiol (CBD)                          | 0.000%  | 0.000          | mg/g  |            |     |
| Cannabidiolic Acid (CBDA)                  | 0.070%  | 0.695          | mg/g  |            |     |
| Cannabigerol (CBG)                         | 0.134%  | 1.342          | mg/g  |            |     |
| Cannabigerolic Acid (CBGA)                 | 1.286%  | 12.861         | mg/g  |            |     |
| Cannabinol (CBN)                           | 0.000%  | 0.000          | mg/g  |            |     |
| Delta 9-Tetrahydrocannabinol (THC)         | 0.148%  | 1.479          | mg/g  |            |     |
| Tetrahydrocannabinolic Acid (THCA)         | 30.282% | 302.818        | mg/g  |            |     |

| Test Menu             | Percent | Level Detected | Units | Completed  | Lab |
|-----------------------|---------|----------------|-------|------------|-----|
| <b>*Terpenes</b>      |         |                |       | 11/27/2023 | LN  |
| <b>Total Terpenes</b> | 1.454%  | 14.544         | mg/g  |            |     |
| (-) Guaiol            | 0.000%  | 0.000          | mg/g  |            |     |
| (-)-Isopulegol        | 0.000%  | 0.000          | mg/g  |            |     |
| (-)-a-Bisabolol       | 0.025%  | 0.248          | mg/g  |            |     |
| (+)-Cedrol            | 0.000%  | 0.000          | mg/g  |            |     |
| (+)-Pulegone          | 0.000%  | 0.000          | mg/g  |            |     |
| 3-Carene              | 0.000%  | 0.000          | mg/g  |            |     |
| Borneol               | 0.011%  | 0.108          | mg/g  |            |     |
| Camphene              | 0.007%  | 0.074          | mg/g  |            |     |
| Camphor               | 0.000%  | 0.000          | mg/g  |            |     |
| Caryophyllene         | 0.196%  | 1.959          | mg/g  |            |     |
| Caryophyllene oxide   | 0.005%  | 0.054          | mg/g  |            |     |
| D-Limonene            | 0.278%  | 2.779          | mg/g  |            |     |
| Eucalyptol            | 0.000%  | 0.000          | mg/g  |            |     |
| Farnesene             | 0.382%  | 3.815          | mg/g  |            |     |
| Fenchol               | 0.020%  | 0.202          | mg/g  |            |     |
| Fenchone              | 0.000%  | 0.000          | mg/g  |            |     |



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| Test Menu          | Percent | Level Detected | Units | Completed | Lab |
|--------------------|---------|----------------|-------|-----------|-----|
| Geraniol           | 0.000%  | 0.000          | mg/g  |           |     |
| Geranyl Acetate    | 0.000%  | 0.000          | mg/g  |           |     |
| Hexahydrothymol    | 0.000%  | 0.000          | mg/g  |           |     |
| Humulene           | 0.064%  | 0.642          | mg/g  |           |     |
| Isoborneol         | 0.000%  | 0.000          | mg/g  |           |     |
| Linalool           | 0.064%  | 0.637          | mg/g  |           |     |
| Nerol              | 0.000%  | 0.000          | mg/g  |           |     |
| Nerolidol          | 0.000%  | 0.000          | mg/g  |           |     |
| Ocimene            | 0.000%  | 0.000          | mg/g  |           |     |
| Phytol             | 0.000%  | 0.000          | mg/g  |           |     |
| p-mentha-1,5-diene | 0.000%  | 0.000          | mg/g  |           |     |
| Sabinene           | 0.000%  | 0.000          | mg/g  |           |     |
| Sabinene Hydrate   | 0.000%  | 0.000          | mg/g  |           |     |
| Terpinolene        | 0.000%  | 0.000          | mg/g  |           |     |
| Valencene          | 0.022%  | 0.217          | mg/g  |           |     |
| α-Cedrene          | 0.000%  | 0.000          | mg/g  |           |     |
| α-Pinene           | 0.026%  | 0.256          | mg/g  |           |     |
| α-Terpineol        | 0.023%  | 0.230          | mg/g  |           |     |
| α-Terpinene        | 0.000%  | 0.000          | mg/g  |           |     |
| β-Myrcene          | 0.296%  | 2.963          | mg/g  |           |     |
| β-Pinene           | 0.036%  | 0.360          | mg/g  |           |     |
| γ-Terpineol        | 0.000%  | 0.000          | mg/g  |           |     |
| γ-Terpinene        | 0.000%  | 0.000          | mg/g  |           |     |

| Test Menu               | Result | Level Detected | Action Limit | Units | Completed  | Lab |
|-------------------------|--------|----------------|--------------|-------|------------|-----|
| <b>Moisture Content</b> |        |                |              |       | 11/22/2023 | LN  |
| Moisture Content        | TESTED | 13.010         | N/A          | %     |            |     |
| <b>Water Activity</b>   |        |                |              |       | 11/22/2023 | LN  |
| Water activity          | PASS   | 0.407          | 0.650        | Aw    |            |     |
| <b>Microbial</b>        |        |                |              |       | 11/27/2023 | LN  |
| Aspergillus spp.        | PASS   | Not Detected   | Detected     |       |            |     |
| STEC E. Coli            | PASS   | Not Detected   | Detected     |       |            |     |
| Salmonella spp.         | PASS   | Not Detected   | Detected     |       |            |     |
| Total Yeast & Mold      | PASS   | 1800           | 100000       | CFU/g |            |     |
| Total Coliform Bacteria | PASS   | <100           | 1000         | CFU/g |            |     |



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|--------------------|--------|----------------|--------------|-------|------------|-----|
| <b>Heavy Metal</b> |        |                |              |       | 11/27/2023 | LN  |
| Arsenic            | PASS   | <0.010         | 0.400        | ppm   |            |     |
| Cadmium            | PASS   | <0.010         | 0.400        | ppm   |            |     |
| Mercury            | PASS   | <0.010         | 0.200        | ppm   |            |     |
| Lead               | PASS   | <0.010         | 1.000        | ppm   |            |     |
| Chromium           | PASS   | 0.012          | 1.200        | ppm   |            |     |
| Nickel             | PASS   | 0.247          | 1.000        | ppm   |            |     |

| Test Menu                        | Result | Level Detected  | Completed  | Lab |
|----------------------------------|--------|---|------------|-----|
| <b>Foreign Matter Inspection</b> | PASS   | Less than 5 percent stems present and less than 2 percent foreign matter with no inorganic material observed. | 11/22/2023 | LN  |

| Test Menu                              | Result | Level Detected | Action Limit | Units | Completed  | Lab |
|--|--------|----------------|--------------|-------|------------|-----|
| <b>Chemical Residue</b>                | PASS   |                |              |       | 11/27/2023 | LN  |
| <i>No Reportable Analytes Detected</i> |        |                |              |       |            |     |

**Calculations:**

Total THC = (Σ THCA\*0.877) + Σ THC  
 Total CBD = (Σ CBDA\*0.877) + Σ CBD  
 Total THCv = THCV + THCVa  
 Total Cannabinoids = the summation of all cannabinoids analyzed and listed on this report  
 Total Terpenes = the summation of all terpenes analyzed and listed on this report

**Laboratories:**

LN: 2827 E. Saginaw st, East Lansing, MI, 48823, USA  
 BC: 1424 Straits Dr, Bay City, MI 48706, USA

**Methods:**

Potency (Cannabinoids): UHPLC-DAD/LOM-7.1a      Foreign Matter: Macroscopic analysis and photographic imaging/LOM-7.11  
 \*Terpenes: GC-MS/LOM-7.7b                              Moisture Content & Water Activity: Aqualab/Dew Point/LOM-7.3  
 Heavy Metals: ICP-MS/LOM-7.2                      Vitamin E Acetate: LC-MS/MS (Lansing primary)/LOM-7.14b or UHPLC-DAD (Bay City, Lansing alternative)/LOM-7.14a  
 Pesticides: LC-MS/MS/LOM-7.4                      Quantitative Microbial Analysis (Yeast and Mold, Coliforms): Optical Density/LOM-7.22  
 Residual Solvents: GC-MS/LOM-7.10              Qualitative Microbial Analysis (Aspergillus, Salmonella, STEC): PCR/LOM-7.20 & 7.21

**Notes:**

\*Terpenes - The analysis is not evaluated by the CRA and is for informational purposes only.

----- **END OF REPORT** -----

*Ensuring Health & Safety Within Michigan's Cannabis Industry.*

