

**northern lights**

 Sample ID: SA-250110-55042  
 Batch: n11  
 Type: In-Process Material  
 Matrix: Concentrate - Badder  
 Unit Mass (g):

 Received: 12/11/2024  
 Completed: 01/10/2025

**Client**  
 WNC-CBD  
 PO Box 17865  
 Asheville, NC 28806  
 USA

**Summary**

 Test  
 Cannabinoids  
 Terpenes

**Date Tested**  
 12/24/2024  
 01/10/2025

**Status**  
 Tested  
 Tested

|                          |                          |                                     |                                       |                                     |                                               |
|--------------------------|--------------------------|-------------------------------------|---------------------------------------|-------------------------------------|-----------------------------------------------|
| <b>0.117 %</b><br>Δ9-THC | <b>80.3 %</b><br>Δ9-THCA | <b>81.6 %</b><br>Total Cannabinoids | <b>Not Tested</b><br>Moisture Content | <b>Not Tested</b><br>Foreign Matter | <b>Yes</b><br>Internal Standard Normalization |
|--------------------------|--------------------------|-------------------------------------|---------------------------------------|-------------------------------------|-----------------------------------------------|

**Cannabinoids by HPLC-PDA and GC-MS/MS**

| Analyte             | LOD (%) | LOQ (%) | Result (%)  | Result (mg/g) |
|---------------------|---------|---------|-------------|---------------|
| CBC                 | 0.0095  | 0.0284  | ND          | ND            |
| CBCA                | 0.0181  | 0.0543  | ND          | ND            |
| CBCV                | 0.006   | 0.018   | ND          | ND            |
| CBD                 | 0.0081  | 0.0242  | ND          | ND            |
| CBDa                | 0.0043  | 0.013   | ND          | ND            |
| CBDV                | 0.0061  | 0.0182  | ND          | ND            |
| CBDVA               | 0.0021  | 0.0063  | ND          | ND            |
| CBG                 | 0.0057  | 0.0172  | ND          | ND            |
| CBGA                | 0.0049  | 0.0147  | ND          | ND            |
| CBL                 | 0.0112  | 0.0335  | ND          | ND            |
| CBLA                | 0.0124  | 0.0371  | ND          | ND            |
| CBN                 | 0.0056  | 0.0169  | ND          | ND            |
| CBNA                | 0.006   | 0.0181  | 0.318       | 3.18          |
| CBT                 | 0.018   | 0.054   | ND          | ND            |
| Δ4,8-iso-THC        | 0.0067  | 0.02    | ND          | ND            |
| Δ8-iso-THC          | 0.0067  | 0.02    | ND          | ND            |
| Δ8-THC              | 0.0104  | 0.0312  | ND          | ND            |
| Δ8-THCV             | 0.0067  | 0.02    | ND          | ND            |
| Δ9-THC              | 0.0076  | 0.0227  | 0.117       | 1.17          |
| Δ9-THCA             | 0.0084  | 0.0251  | 80.3        | 803           |
| Δ9-THCV             | 0.0069  | 0.0206  | ND          | ND            |
| Δ9-THCVA            | 0.0062  | 0.0186  | 0.887       | 8.88          |
| exo-THC             | 0.0067  | 0.02    | ND          | ND            |
| <b>Total Δ9-THC</b> |         |         | <b>70.5</b> | <b>705</b>    |
| <b>Total</b>        |         |         | <b>81.6</b> | <b>816</b>    |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ9-THC = Δ9-THCA \* 0.877 + Δ9-THC; Total CBD = CBDA \* 0.877 + CBD;



 Generated By: Ryan Bellone  
 CCO  
 Date: 01/10/2025



 Tested By: Scott Caudill  
 Laboratory Manager  
 Date: 12/24/2024

 ISO/IEC 17025:2017 Accredited  
 Accreditation #108651


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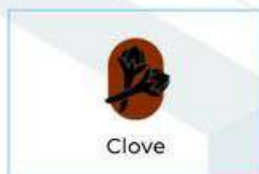
Received: 12/11/2024  
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**Client**  
 WNC-CBD  
 PO Box 17865  
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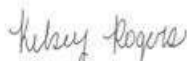
## Terpenes by GC-MS

| Analyte             | LOD (%) | LOQ (%) | Result (%) | Analyte                   | LOD (%) | LOQ (%) | Result (%)  |
|---------------------|---------|---------|------------|---------------------------|---------|---------|-------------|
| α-Bisabolol         | 0.002   | 0.01    | 0.0403     | Limonene                  | 0.002   | 0.01    | 0.509       |
| (+)-Borneol         | 0.002   | 0.01    | ND         | Linalool                  | 0.002   | 0.01    | 0.0982      |
| Camphene            | 0.002   | 0.01    | <LOQ       | β-myrcene                 | 0.002   | 0.01    | 0.142       |
| Camphor             | 0.004   | 0.02    | ND         | Nerol                     | 0.002   | 0.01    | ND          |
| 3-Carene            | 0.002   | 0.01    | <LOQ       | cis-Nerolidol             | 0.002   | 0.01    | ND          |
| β-Caryophyllene     | 0.002   | 0.01    | 0.496      | trans-Nerolidol           | 0.002   | 0.01    | 0.0346      |
| Caryophyllene Oxide | 0.002   | 0.01    | 0.0736     | Ocimene                   | 0.002   | 0.01    | 0.0661      |
| α-Cedrene           | 0.002   | 0.01    | ND         | α-Phellandrene            | 0.002   | 0.01    | ND          |
| Cedrol              | 0.002   | 0.01    | ND         | α-Pinene                  | 0.002   | 0.01    | 0.138       |
| Eucalyptol          | 0.002   | 0.01    | ND         | β-Pinene                  | 0.002   | 0.01    | 0.0534      |
| Fenchone            | 0.004   | 0.02    | ND         | Pulegone                  | 0.002   | 0.01    | ND          |
| Fenchyl Alcohol     | 0.002   | 0.01    | 0.0188     | Sabinene                  | 0.002   | 0.01    | ND          |
| Geraniol            | 0.002   | 0.01    | ND         | Sabinene Hydrate          | 0.002   | 0.01    | ND          |
| Geranyl Acetate     | 0.002   | 0.01    | ND         | α-Terpinene               | 0.002   | 0.01    | <LOQ        |
| Guaiol              | 0.002   | 0.01    | ND         | γ-Terpinene               | 0.002   | 0.01    | <LOQ        |
| Hexahydrothymol     | 0.002   | 0.01    | ND         | α-Terpineol               | 0.001   | 0.005   | 0.0284      |
| α-Humulene          | 0.002   | 0.01    | 0.0742     | γ-Terpineol               | 0.001   | 0.005   | ND          |
| Isoborneol          | 0.002   | 0.01    | ND         | Terpinolene               | 0.002   | 0.01    | 0.413       |
| Isopulegol          | 0.002   | 0.01    | ND         | Valencene                 | 0.002   | 0.01    | 0.0103      |
|                     |         |         |            | <b>Total Terpenes (%)</b> |         |         | <b>2.22</b> |

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit; Values over action limits may be estimates




Generated By: Ryan Bellone  
 CCO  
 Date: 01/10/2025



Tested By: Kelsey Rogers  
 Scientist  
 Date: 01/10/2025



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