![Bia Diagnostics Laboratories]

**Bia Diagnostics**
480 Hercules Drive Suite 101
Colchester, VT 05446

(802) 540-0148
https://www.biadiagnostics.com/
Lic# TLAB0029

QA Testing

1 of 2

# Red Delicious L:23

**Sample ID: BIA250307S0038**
Strain: Red Delicous

Matrix: Plant
Type: Flower - Cured
Sample Size: 5.43 g
Lot#: Red Delicious L:23

Produced:
Collected:
Received: 03/07/2025
Completed: 03/14/2025
Batch#: Red Delicious L:23

Client
**High Brix Cannabis/Northern Craft**



## Summary

| Test | Date Tested | Result |
|---|---|---|
| Sample | | Complete |
| Cannabinoids | 03/10/2025 | Complete |
| Moisture | 03/10/2025 | 11.90% - Complete |
| Water Activity | 03/10/2025 | 0.594 aw - Complete |
| Terpenes | 03/11/2025 | Complete |

## Cannabinoids                                                              Completed

| 23.00% | 0.07% | 28.44% |
|---|---|---|
| Total THC | Total CBD | Total Cannabinoids |

| Analyte | LOQ | Results | Results | Mass | |
|---|---|---|---|---|---|
| | mg/g | % | mg/g | mg/serving | |
| CBDVa | 0.0005 | <LOQ | <LOQ | | |
| CBDV | 0.0012 | <LOQ | <LOQ | | |
| CBDa | 0.0008 | 0.08 | 0.8 | | |
| CBGa | 0.0008 | 2.08 | 20.8 | | |
| CBG | 0.0019 | 0.13 | 1.3 | | |
| CBD | 0.0019 | <LOQ | <LOQ | | |
| THCV | 0.0021 | <LOQ | <LOQ | | |
| CBN | 0.0013 | <LOQ | <LOQ | | |
| Δ9-THC | 0.0020 | 0.61 | 6.1 | | |
| Δ8-THC | 0.0019 | <LOQ | <LOQ | | |
| Δ10-THC | 0.0002 | <LOQ | <LOQ | | |
| CBC | 0.0024 | <LOQ | <LOQ | | |
| THCa | 0.0034 | 25.53 | 255.3 | | |
| **Total THC** | | **23.00** | **230.03** | | |
| **Total CBD** | | **0.07** | **0.73** | | |
| **Total** | | **28.44** | **284.38** | **0.00** | |

Analyst: 056
Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)
Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:
TotalTHC=(THCAx0.877)+Δ9-THC
Total CBD = (CBDA x 0.877) + CBD Reagent
Blanks: < LOQs for all analytes
LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).
All results reflect dry weight of material, based on % moisture of the sample.
Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%
All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

![QR code]

*Luke E-m*

Luke Emerson-Mason
Laboratory Director
03/14/2025

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. All results apply to this sample as received.

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## Terpenes                                                          Completed

| Analyte | LOQ mg/g | Results mg/g | Results % |
|---|---|---|---|
| Limonene | 0.010 | 8.527 | 0.853 |
| Ocimene | 0.010 | 7.271 | 0.727 |
| β-Myrcene | 0.010 | 3.083 | 0.308 |
| β-Pinene | 0.010 | 2.382 | 0.238 |
| α-Pinene | 0.010 | 1.750 | 0.175 |
| β-Caryophyllene | 0.010 | 1.581 | 0.158 |
| Linalool | 0.010 | 0.681 | 0.068 |
| α-Humulene | 0.010 | 0.530 | 0.053 |
| Camphene | 0.010 | 0.274 | 0.027 |
| Terpinolene | 0.010 | 0.191 | 0.019 |
| Eucalyptol | 0.010 | 0.023 | 0.002 |
| γ-Terpinene | 0.010 | 0.022 | 0.002 |
| 3-Carene | 0.010 | <LOQ | <LOQ |
| α-Bisabolol | 0.010 | <LOQ | <LOQ |
| α-Terpinene | 0.010 | <LOQ | <LOQ |
| Caryophyllene Oxide | 0.010 | <LOQ | <LOQ |
| cis-Nerolidol | 0.010 | <LOQ | <LOQ |
| Geraniol | 0.010 | <LOQ | <LOQ |
| Guaiol | 0.010 | <LOQ | <LOQ |
| Isopulegol | 0.010 | <LOQ | <LOQ |
| p-Cymene | 0.010 | <LOQ | <LOQ |
| trans-Nerolidol | 0.010 | <LOQ | <LOQ |
| **Total** | | **26.313** | **2.631** |

## Primary Aromas

| Orange | Earthy | Hops | Pine | Cinnamon |
|---|---|---|---|---|

Analyst: 045
LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (<LOQ).
Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS
Reagent Blanks: < LOQs for all analytes
All results reflect dry weight of material, based on % moisture of the sample.
All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

Luke E-m
Luke Emerson-Mason
Laboratory Director
03/14/2025

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