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Company: Formulation Station	Sample ID: Northern Craft Cannabis Red De	bis Red Delicious Tincture 1000mg		
	Lot: MANU003523NCCTINCRD10001	Report Date: 10/19/2023		
	Matrix: Oil	Date Analyzed: 10/18/2023		
Customer ID: 190830-15	Date Sampled: N/A	Analyst: 011		
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**Certificate of Analysis** 

Grower License #: MANU0035

Date Received: 10/12/2023

Analyst: 011 Report ID: C231012AY

## **Cannabinoid Summary**

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDA	0.0008	<loq< th=""><th><lod< th=""></lod<></th></loq<>	<lod< th=""></lod<>
CBGA	0.0008	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBG	0.0019	1.03	0.10
CBD	0.0019	0.23	0.02
тнсv	0.0021	0.93	0.09
CBN	0.0013	0.89	0.09
<b>Δ9-THC</b>	0.0020	30.47	3.05
Δ8-THC	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THC-A	0.0034	0.85	0.09
CBC	0.0024	0.66	0.07
Total THC		31.22	3.12
Total CBD		0.23	0.02
Total Cannabinoids		35.06	3.51

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR<sup>™</sup> 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: Total THC = (THCA x 0.877) +  $\Delta$ 9-THC Total CBD = (CBDA x 0.877) + CBD

Ratio of Total CBD: Total THC 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.  $\Delta$ 9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

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3.12%	0.02%
Total THC	Total CBD
3.51%	3.05%
Total Cannabinoids	Δ9-ТНС
N/A	1:0
Percent Moisture	THC : CBD Ratio



Luke E.M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

(802) 540-0148 laboratory@biadiagnostics.com Certificate Registration Number: CL\_50\_2021\_002



Summary of Results

## Northern Craft Cannabis Red Delicious Tincture 1000mg

Prepared for Formulation Station

MANUFACTURER INFO				
Formulation Station LOT NUMBER				
MANU003523NCCTINCRD10001				
SERVING SIZE				
28g MATRIX				

Oil

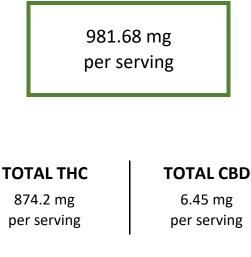
DATE RECEIVED 10/12/2023 DATE ANALYZED

10/18/2023 REPORT DATE

10/19/2023 ORIGINAL REPORT ID C231012AY

Cannabinoid Profile	Concentration (mg/g)	Weight (%)
СВС	0.66	0.07
CBD	0.23	0.02
CBDA	Not Detected	Not Detected
CBDV	Not Detected	Not Detected
CBDVA	Not Detected	Not Detected
CBG	1.03	0.10
CBGA	Not Detected	Not Detected
CBN	0.89	0.09
THC-A	0.85	0.09
THCV	0.93	0.09
Δ8-THC	Not Detected	Not Detected
Δ9-ΤΗϹ	30.47	3.05
Total CBD	0.23	0.02
Total THC	31.22	3.12
Total Cannabinoids	35.06	3.51

## **TOTAL CANNABINOIDS**





Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values.

Not Detected = 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).

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\*This is not an official Certificate of Analysis\*