

**SAMPLE NAME: Focus - 1500 Oil - White**

Infused, Hemp

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** North Star Hemp

**License Number:**
**Address:**
**SAMPLE DETAIL**
**Batch Number:** NSH003027024

**Sample ID:** 240528R035

**Date Collected:** 05/28/2024

**Date Received:** 05/28/2024

**Batch Size:**
**Sample Size:** 1.0 units

**Unit Mass:** 30 milliliters per Unit

**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC: 39.870 mg/unit**
**Total CBD: 1329.510 mg/unit**
**Sum of Cannabinoids: 1440.180 mg/unit**
**Total Cannabinoids: 1440.180 mg/unit**

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

$$\text{Total THC} = \Delta^9\text{-THC} + (\text{THCa} \cdot 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} \cdot 0.877)$$

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**Density: 0.9477 g/mL**

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

*Rinal Ahir*  
QC Verified by: Rinal Ahir  
Date: 05/30/2024

*Josh Wurzer*  
Approved by: Josh Wurzer  
Job Title: Chief Compliance Officer  
Date: 05/30/2024

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

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## Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

**Method:** QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

**TOTAL THC: 39.870 mg/unit**

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

**TOTAL CBD: 1329.510 mg/unit**

Total CBD (CBD+0.877\*CBDa)

**TOTAL CANNABINOIDS: 1440.180 mg/unit**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

**TOTAL CBG: 18.600 mg/unit**

Total CBG (CBG+0.877\*CBGa)

**TOTAL THCV: ND**

Total THCV (THCV+0.877\*THCVa)

**TOTAL CBC: 45.720 mg/unit**

Total CBC (CBC+0.877\*CBCa)

**TOTAL CBDV: 4.050 mg/unit**

Total CBDV (CBDV+0.877\*CBDVa)

### CANNABINOID TEST RESULTS - 05/30/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±1.6530	44.317	4.6763
CBC	0.003 / 0.010	±0.0491	1.524	0.1608
$\Delta^9$ -THC	0.002 / 0.014	±0.0730	1.329	0.1402
CBG	0.002 / 0.006	±0.0301	0.620	0.0654
CBDV	0.002 / 0.012	±0.0055	0.135	0.0142
CBL	0.003 / 0.010	±0.0018	0.048	0.0051
CBN	0.001 / 0.007	±0.0009	0.033	0.0035
$\Delta^8$ -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>48.006 mg/mL</b>	<b>5.0655%</b>

### Unit Mass: 30 milliliters per Unit

$\Delta^9$ -THC per Unit	39.870 mg/unit
Total THC per Unit	39.870 mg/unit
CBD per Unit	1329.510 mg/unit
Total CBD per Unit	1329.510 mg/unit
Sum of Cannabinoids per Unit	1440.180 mg/unit
Total Cannabinoids per Unit	1440.180 mg/unit

### DENSITY TEST RESULT

**0.9477 g/mL**

Tested 05/30/2024

**Method:** QSP 7870 - Sample Preparation