

**SAMPLE NAME:** Sleep - 2500 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:** NSH004026024  
**Sample ID:** 240528R036

**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:** 141.960 mg/unit

**Total CBD:** 2497.440 mg/unit

**Sum of Cannabinoids:** 2771.520 mg/unit

**Total Cannabinoids:** 2771.520 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:  
 Total THC =  $\Delta^9$ -THC + (THCa (0.877))  
 Total CBD = CBD + (CBDa (0.877))  
 Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN  
 Total Cannabinoids = ( $\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) + (CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

**Density:** 0.9515 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)



## 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: 141.960 mg/unit

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

### TOTAL CBD: 2497.440 mg/unit

Total CBD (CBD+0.877\*CBDa)

### TOTAL CANNABINOIDS: 2771.520 mg/unit

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

### TOTAL CBG: 34.620 mg/unit

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 86.430 mg/unit

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 6.810 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	±3.1052	83.248	8.7491
$\Delta^9$ -THC	0.002 / 0.014	±0.2598	4.732	0.4973
CBC	0.003 / 0.010	±0.0928	2.881	0.3028
CBG	0.002 / 0.006	±0.0560	1.154	0.1213
CBDV	0.002 / 0.012	±0.0093	0.227	0.0239
CBL	0.003 / 0.010	±0.0027	0.073	0.0077
CBN	0.001 / 0.007	±0.0020	0.069	0.0073
$\Delta^8$ -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>92.384 mg/mL</b>	<b>9.7093%</b>

## Unit Mass: 30 milliliters per Unit

$\Delta^9$ -THC per Unit	141.960 mg/unit
Total THC per Unit	141.960 mg/unit
CBD per Unit	2497.440 mg/unit
Total CBD per Unit	2497.440 mg/unit
Sum of Cannabinoids per Unit	2771.520 mg/unit
Total Cannabinoids per Unit	2771.520 mg/unit

## DENSITY TEST RESULT

0.9515 g/mL

Tested 05/30/2024

Method: QSP 7870 - Sample Preparation