



# Certificate of Analysis

Sample: DE30822005-016

Batch#: NO ASP - 1A4000D000425B9000000023

Seed to Sale# 1A4000D000425B9000001034

Batch Date: 08/21/23

Sample Size Received: 30 gram

Ordered: 08/21/23

Sampled: 08/21/23

Completed: 08/25/23

Aug 25, 2023 | North Star Hemp

License # 403H-104234

2400 N 2nd Street, Suite 305

MPLS, MN, 55411

Carpe Diem

**PASSED**

Pages 1 of 3

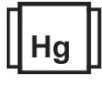
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
NOT TESTED



Heavy Metals  
NOT TESTED



Microbials  
PASSED



Mycotoxins  
NOT TESTED



Residuals Solvents  
NOT TESTED



Filtration  
NOT TESTED



Water Activity  
NOT TESTED



Moisture  
NOT TESTED



Homogeneity Testing  
NOT TESTED

MISC.



Terpenes  
NOT TESTED



Cannabinoid

**PASSED**



Total THC  
**0.0755%**



Total CBD  
**2.2373%**



Total Cannabinoids  
**2.3857%**



	TOTAL 9(R/S)-HHC	CBDV	CBDVA	CBG	CBD	CBDa	THCV	CBGA	CBN	EXO-THC	CBDQ	D9-THC	D8-THC	CBL	THCVA	CBC	D10-THC	CBNA	THCA	CBCA	CBLA	THC-O-ACE TATE
%	ND	ND	ND	ND	2.2373	ND	ND	ND	ND	ND	ND	0.0755	ND	ND	ND	0.0729	ND	ND	ND	ND	ND	ND
mg/g	ND	ND	ND	ND	22.373	ND	ND	ND	ND	ND	ND	0.755	ND	ND	ND	0.729	ND	ND	ND	ND	ND	ND
LOD	0.0100	0.0015	0.0010	0.0021	0.0014	0.0014	0.0012	0.0003	0.0013	0.0025	0.0148	0.0012	0.0023	0.0052	0.0014	0.0010	0.0021	0.0018	0.0019	0.0001	0.0010	0.0004
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2721, 2950, 1642, 2080

Weight: 1.202g

Extraction date: 08/23/23 11:06:28

Extracted by: 2721, 1642

Analysis Method : SOP.T.40.039.CO

Analytical Batch : DE006213POT

Instrument Used : Agilent 1100 "Falcor"

Analyzed Date : 08/23/23 13:51:58

Reviewed On : 08/24/23 20:06:58

Batch Date : 08/23/23 06:56:33

Dilution : 80

Reagent : 071023.R25; 080723.R17; 082223.R11; 082123.R09

Consumables : 2225821657; 2014919; 00336569; 234422; 61572-107C6-107H; 00339105-4; 0000185478; 303122060

Pipette : POT- 20E73244; POT- 20E74976; POT- 20K63477; P1000 - 20B29164-A; P200- 6507768

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with DAD detection (HPLC-UV), Method SOP.T.90.010.CO for reporting. Lower limit of linearity for all cannabinoids is 1 mg/L.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is a Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds. The Measurement Uncertainty (UM) error is available from the lab upon request.

**Dane Oberhill**

Lab Director

State License # 405R-00011

405-00008

ISO 17025 Accreditation # 4331.01



Signature

08/25/23



879 Federal Blvd  
Denver, CO, 80204, US  
(303) 427-2379

Kaycha Labs

SOOTHE - MUSCLE CREAM (RED LABEL)

N/A

Matrix : Infused

Type: Topical



# Certificate of Analysis

**PASSED**

**North Star Hemp**

2400 N 2nd Street, Suite 305  
MPLS, MN, 55411  
Telephone: 612-599-6906  
Email: info@NorthStarHemp.com  
License # : 403H-104234

**Sample : DE30822005-016**

Batch# : NO ASP - 1A4000D000425B9000000023  
Sampled : 08/21/23  
Ordered : 08/21/23  
Sample Size Received : 30 gram  
Completed : 08/25/23 Expires: 08/25/24  
Sample Method : SOP Client Method

Page 2 of 3

	<b>Microbial</b>	<b>PASSED</b>
--	------------------	---------------

Analyte	LOD	Units	Result	Pass / Fail	Action Level
<b>TOTAL YEAST AND MOLD</b>	100	cfu/g	ND	<b>PASS</b>	10000
<b>SHIGA TOXIN PRODUCING ESCHERICHIA COLI STEC</b>			Not Present	<b>PASS</b>	
<b>SALMONELLA SPECIES</b>			Not Present	<b>PASS</b>	

<b>Analyzed by:</b> 2792, 5, 1473, 2080	<b>Weight:</b> 2.45g	<b>Extraction date:</b> 08/22/23 15:05:44	<b>Extracted by:</b> 2792
--	-------------------------	--	------------------------------

**Analysis Method :** SOP.T.40.057.CO; SOP.T.40.209.CO  
**Analytical Batch :** DE006203MIC  
**Instrument Used :** Microbial - Full Panel  
**Analyzed Date :** 08/22/23 15:04:12  
**Reviewed On :** 08/25/23 10:39:54  
**Batch Date :** 08/21/23 15:06:34

**Dilution :** N/A  
**Reagent :** 041323.R06; 073023.R08; 070623.R08; 080723.R04; 082223.R09; 080623.R11; 070623.R05; 082123.R12; 080623.R12; 082223.R10; 081823.R04; 081623.R04; 061323.R06; 081823.R05; 081523.R09; 062023.04; 062923.03; 101122.02; 071823.01; 082123.R14; 081923.R01; 061423.16  
**Consumables :** 61899-311C6-311E; 411171-135C4-135AI; 010222CH03; 1; 211016-687-A; 2; DR 20230612\_CatNo.1193A96; 3; 00111; 4; CH 2242419; 5; 41141-130C4-130D; 6; 40960-040C4-040AL; Cj209G2; 7; 8; P1000160; 9; MSB1001; RB-1050; 10; 11  
**Pipette :** M - O48453J; M - L47149J; M - 20F92851; M - MV21601; M - MU03680; M - M32141C; M - 20C40454; M - 22G22702; M - 6537603; M - MU06201; M - N65633K; M - K94440L; M - 20E73249; M - G19154L; M - P67199J; M - Q29305K; M - Q36416J; M - J46789J; M - J55715J; M - O52710K; M - N1563K; M - O34081K

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is a Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds. The Measurement Uncertainty (UM) error is available from the lab upon request.

**Dane Oberhill**

Lab Director

State License # 405R-00011

405-00008

ISO 17025 Accreditation # 4331.01

Signature

08/25/23



879 Federal Blvd  
Denver, CO, 80204, US  
(303) 427-2379

Kaycha Labs

SOOTHE - MUSCLE CREAM (RED LABEL)

N/A

Matrix : Infused

Type: Topical



# Certificate of Analysis

**PASSED**

**North Star Hemp**

2400 N 2nd Street, Suite 305  
MPLS, MN, 55411  
Telephone: 612-599-6906  
Email: info@NorthStarHemp.com  
License # : 403H-104234

**Sample : DE30822005-016**

Batch# : NO ASP -  
1A4000D000425B9000000023  
Sampled : 08/21/23  
Ordered : 08/21/23

Sample Size Received : 30 gram  
Completed : 08/25/23 Expires: 08/25/24  
Sample Method : SOP Client Method

Page 3 of 3

## COMMENTS

\* Cannabinoid DE30822005-016POT

1 - Measurement Uncertainty for delta-9 THC (wt%, Infused) 95% interval : 0.07, Measurement Uncertainty for THCA (wt%, Infused) 95% interval : 0.05

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is a Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. ND=Not Detected, NT=Not Tested, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds. The Measurement Uncertainty (UM) error is available from the lab upon request.

**Dane Oberhill**

Lab Director

State License # 405R-00011  
405-00008

ISO 17025 Accreditation # 4331.01

Signature  
08/25/23