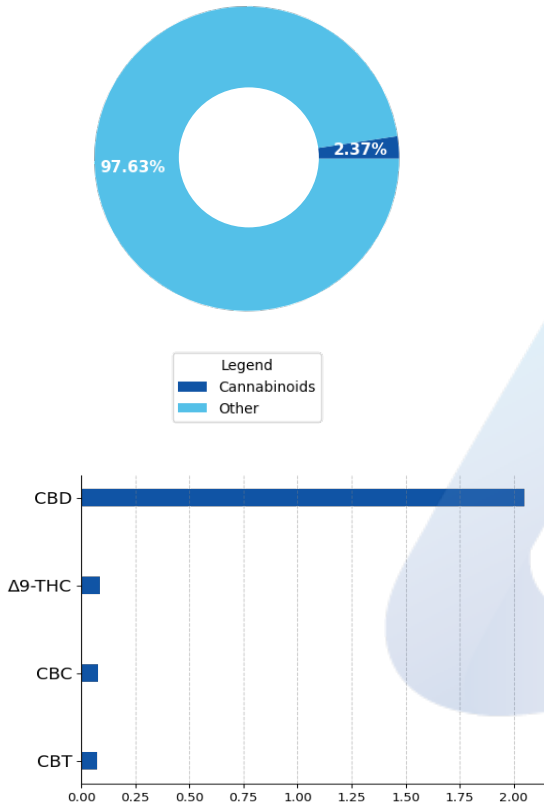


Organic Muscle cream 1500mg

Batch ID:	22B1062808	Received:	08/30/2022	Analysis:	18 Cannabinoid Potency
Sample Type:	Topical	Analyzed:	08/30/2022	Method:	2021.18P.01
		Test ID:	4866	Equipment:	UHPLC

CANNABINOID PROFILE
TOTAL CANNABINOID CONTENT


Cannabinoid	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabidiol (CBD)	4.29e-05	1.30e-04	2.05 ± 0.055	20.50
Cannabigerol (CBG)	4.11e-05	1.25e-04	0.04 ± 0.0011	0.42
Δ9-Tetrahydrocannabinol (Δ9-THC)	7.72e-05	2.34e-04	0.09 ± 0.0023	0.86
Cannabicitran (CBT)	3.95e-05	1.20e-04	0.07 ± 0.0020	0.73
Cannabichromene (CBC)	6.99e-05	2.12e-04	0.08 ± 0.0021	0.79
Cannabinol (CBN)	3.93e-05	1.19e-04	0.00 ± 9.7e-05	0.04
Cannabicyclol (CBL)	4.58e-05	1.39e-04	0.01 ± 0.00022	0.08
Cannabicyclol acid (CBLA)	4.00e-05	1.21e-04	ND	ND
Tetrahydrocannavarin (THCV)	4.04e-05	1.23e-04	0.01 ± 0.00040	0.15
Δ8-Tetrahydrocannabinol (Δ8-THC)	4.73e-05	1.43e-04	ND	ND
Cannabinolic (CBNA)	4.70e-05	1.42e-04	ND	ND
Tetrahydrocannavarin Acid (THCVA)	3.66e-05	1.11e-04	ND	ND
Cannabigerolic acid (CBGA)	3.98e-05	1.21e-04	ND	ND
Cannabidiolic acid (CBDA)	4.15e-05	1.26e-04	ND	ND
Cannabidivarin (CBDV)	3.97e-05	1.20e-04	0.01 ± 0.00039	0.15
Tetrahydrocannabinolic Acid (THCA)	3.86e-05	1.17e-04	ND	ND
Cannabichromenic acid (CBCA)	3.99e-05	1.21e-04	ND	ND
Cannabidivarinic Acid (CBDVA)	3.99e-05	1.21e-04	ND	ND
Total Cannabinoid**			2.37	23.72
Total Potential THC*			0.09 ± 0.0023	0.86
Total Potential CBD*			2.05 ± 0.055	20.50
Total Potential CBG*			0.04 ± 0.0011	0.42

* Total Potential THC/CBD/CBG is calculated using the following formulas to consider the loss of a carboxyl group during decarboxylation step.

* Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)) and Total CBG = CBG + (CBGa*(0.877))

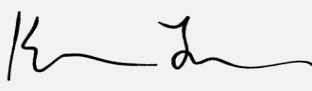


** Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

		
Katie Little, Analytical Scientist 08/30/2022 03:45 PM	Logan Cline, Director of Analytical Development 08/30/2022 03:51 PM	John Reser, Quality Analyst 08/30/2022 03:52 PM
ANALYZED BY/DATE	AUTHORIZED BY/DATE	RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories warrants that all analyses performed are in accordance with ISO/IEC 17025:2017. All data is generated using NIST traceable reference material and all reports are produced with the highest regard for scientific integrity. Reports can only be reproduced with the written consent of Minova Laboratories.

Organic Muscle cream 1500mg

Batch ID:	22B1062808	Received:	08/30/2022	Analysis:	Residual Solvents
Sample Type:	Topical	Analyzed:	09/07/2022	Method:	2021.RS.01
		Test ID:	4857	Equipment:	GCMS

RESIDUAL SOLVENTS




SOLVENT	REPORTABLE RANGE	RESULT (ppm)
Acetone	100 - 1000	*ND
Acetonitrile	100 - 1000	*ND
Benzene	0.2 - 4	*ND
Butanes	100 - 1000	*ND
Ethanol	100 - 1000	*ND
Ethyl Acetate	100 - 1000	*ND
Heptane	100 - 1000	*ND
Hexanes	6 - 120	*ND
Isopropyl Alcohol	100 - 1000	*ND
Methanol	100 - 1000	*ND
Pentanes	100 - 1000	*ND
Propane	100 - 1000	*ND
Toluene	18 - 360	*ND
Xylenes	43 - 860	*ND

*ND = Below Reportable Range

REMARKS

Passed visual inspection for particulates, mold, mildew, and other foreign substances.

FINAL AUTHORIZATION

		
Katie Little, Analytical Scientist 03:16 PM	Logan Cline, Director of Analytical Development 09/07/2022 03:36 PM	John Reser, Quality Analyst 09/07/2022 03:38 PM
ANALYZED BY/DATE	AUTHORIZED BY/DATE	RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories warrants that all analyses performed are in accordance with ISO/IEC 17025:2017. All data is generated using NIST traceable reference material and all reports are produced with the highest regard for scientific integrity. Reports can only be reproduced with the written consent of Minova Laboratories.

Organic Muscle cream 1500mg

Batch ID: 22B1062808	Received: 08/30/2022	Analysis: Quantitative Microbial Panel - CO Compliance
Sample Type: Topical	Analyzed: 09/02/2022	Method: 2022.QMP.01
	Test ID: 4856	Equipment: qPCR + Culture Plating

QUANTITATIVE MICROBIAL PANEL - CO COMPLIANCE

CONTAMINANT	METHOD	LOD	QUANTITATIVE RANGE	RESULT
Total Yeast and Mold	Culture Plating	1.0E+02	1.0E+03-1.0E+05	ND
Total Aerobic Plate Count	Culture Plating	1.0E+03	1.0E+04-1.0E+06	ND
Total Coliforms	Culture Plating	1.0E+02	1.0E+02-1.0E+04	ND
Salmonella	qPCR	1.0E+00	Not Applicable	Absent
E.coli (STEC)	qPCR	1.0E+00	Not Applicable	Absent

***This method is not covered under the current A2LA and CDPHE scope and is pending accreditation.*

All numerical values indicated above are reported in CFU/g.

Limit of Detection (LOD) is the lowest detectable limit of qPCR.

Quantitative Range is the LLOQ and ULOQ from plating, where quantitative results are derived.

Any value above the ULOQ will be reported as too numerous to count (TNTC). Any value below the LLOQ will be reported as below LOQ.

Values are expressed in scientific notation.

Example: 1.0E+03 = 1,000 CFU

REMARKS
FINAL AUTHORIZATION


 Alex Bujanow, Microbiologist
 09/02/2022 01:52 PM

ANALYZED BY/DATE


 Logan Cline, Director of Analytical Development
 09/06/2022 10:36 AM

AUTHORIZED BY/DATE


 John Reser, Quality Analyst
 09/06/2022 11:01 AM

RELEASED BY/DATE

Laboratory results are based on the sample submitted to Minova Laboratories in the condition it was received. Minova Laboratories warrants that all analyses performed are in accordance with ISO/IEC 17025:2017. All data is generated using NIST traceable reference material and all reports are produced with the highest regard for scientific integrity. Reports can only be reproduced with the written consent of Minova Laboratories.

Product Specification

Organic CBD Muscle Cream 1500mg

Product Information

Product	Muscle Cream
Botanical name	<i>Cannabis sativa</i> L.
Plant Part	Flower
Country of Origin	USA
Extraction Process	CO2 Extraction, Winterization, Distillation
Ingredient Statement	Shea, Menthol, Jojoba, Beeswax, Arnica, Organic CO2-extracted Hemp Oil, Rosemary, Lavender

Organoleptic Description

Appearance	White to pale yellow cream
Aroma	Menthol, rosemary, lavender

Physical Characteristics

Cannabidiol Content (CBD):	≥ 1500mg
Tetrahydrocannabinol Content (THC):	< 0.3%

Shelf Life

Shelf life in original metal tin for up to 2 years.

Contamination

Salmonella:	Absent
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Packaging

2.8oz (84g) in screw top metal tin.
Larger quantities by arrangement

Recommended Storage Conditions

Store at ambient conditions in airtight container.

Kosher Certification

CBD Muscle Cream is certified Kosher by the Orthodox Union, UKD-ID: OUV3-EGSKT88

USDA Organic Certification

Organic Muscle Cream was audited by Pro-Cert Organics and is certified USDA Organic, Certificate Reg #676.

I declare that the information given is believed to be correct as of date specified below.

Name: Haley Jones

Title: Quality Manager

Date: September 8, 2022

Version: 1.2

Version Date: 9/8/2022