



Lab Report

Product: CBD Balm - 500mg & 30mg

Lot Number: 20023

Type: THC-Free Phytocannabinoid-Rich Hemp Oil



POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	85.93	859.3
CBG	0.05	0.5
CBN	<0.03	<0.3
THC	<0.03	<0.3
CBC	0.05	0.5
THC-A	<0.03	<0.3
CBD-A	0.07	0.7
CBDV	<0.03	<0.3
CBDV-A	<0.03	<0.3
THCV	<0.03	<0.3
MAX THC	<0.03	<0.3
MAX CBD	85.99	859.9
TOTAL ACTIVE	86.09	860.9

Test ID: 0930192M

Residual Solvents:

Propane	Compliant with USP<467>	Pentane	Compliant with USP<467>
Isobutane	Compliant with USP<467>	Isopropanol	Compliant with USP<467>
Butane	Compliant with USP<467>	Hexane	Compliant with USP<467>
Ethanol	Compliant with USP<467>	Acetone	Compliant with USP<467>

Test ID: DA91001018-002 by Kaycha Labs

Heavy Metals:

Cadmium	Compliant with USP<2232>
Lead	Compliant with USP<2232>
Arsenic	Compliant with USP<2232>
Mercury	Compliant with USP<2232>

Test ID: DA91001018-002 by Kaycha Labs

TERPENE RESULTS*:

	Wt. (%)		Wt. (%)
β -Bisabolene	1.0-3.0	Camphene	0.1-0.2
β -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	0.5-2.0	Farnesol	0.1-0.2
β -Maaliene	0.5-2.0	α -Bisabolol	< 0.1
Calarene	0.5-1.5	P-Cymene	< 0.1
β -Caryophyllene	0.1-1.0	Linalool	< 0.1
α -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α -Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ -3-Carene	< 0.1

Pesticides:

Acequinocyl	ND**	Spinosad	ND**
Pyrethrium	ND**	Spirotetramat	ND**
Spiromesifen	ND**	Bifenazate	ND**
Abamectin	ND**	Fenoxycarb	ND**
Imidacloprid	ND**	Paclobutrazol	ND**

Test ID: DA91001018-002 by Kaycha Labs

*Batches are sent out regularly for testing, not all batches tested

**Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release

Chemist: Lena Johnson

Manager: Christopher Didomenico

COPY
1507042019

Certificate of Quality Assurance

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Semi-solid Paste	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Cream to Light Brown	Conforms	QCU002
Total Cannabinoid Content	95 - 110% of target concentration, THC - Report results	500 mg total Phytocannabinoids per 2 oz, THC Not Detected	QCU001

Package	Acceptance Criteria	Results
Primary Package	Container dedusted and wiped clean Container caps screwed on tight	Conforms
Secondary Package	Carton Sturdy and clean Sufficient cushion material exists Carton taped on all sides	Conforms

Certificate ID: **79872**

 Received: **3/23/20**

 Client Sample ID: **500mg**

 Lot Number: **20023**

 Matrix: **Topicals - Salve**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 3/28/2020
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The data contained within this report was collected in accordance with the requirements of ISO/IEC 17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01] Analyst: *RAS* Test Date: *3/25/2020*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

79872-CN

ID	Weight %	Concentration (mg/g)		
D9-THC	ND	ND		
THCV	ND	ND		
CBD	0.60	6.04		
CBDV	0.01	0.12		
CBG	ND	ND		
CBC	ND	ND		
CBN	ND	ND		
THCA	ND	ND		
CBDA	ND	ND		
CBGA	ND	ND		
D8-THC	ND	ND		
exo-THC	ND	ND		
Total	0.62	6.16	0%	Cannabinoids (wt%) 0.6%
Max THC	ND	ND		
Max CBD	0.60	6.04		

Limit of Quantitation (LOQ) = 0.009 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is half of LOQ.

END OF REPORT

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Certificate ID: **79871**

 Received: **3/23/20**

 Client Sample ID: **30mg**

 Lot Number: **20023**

 Matrix: **Topicals - Salve**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 3/28/2020
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CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01] Analyst: *RAS* Test Date: *3/25/2020*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

79871-CN

ID	Weight %	Concentration (mg/g)		
D9-THC	ND	ND		
THCV	ND	ND		
CBD	0.58	5.79		
CBDV	0.01	0.11		
CBG	ND	ND		
CBC	ND	ND		
CBN	ND	ND		
THCA	ND	ND		
CBDA	ND	ND		
CBGA	ND	ND		
D8-THC	ND	ND		
exo-THC	ND	ND		
Total	0.59	5.90	0%	Cannabinoids (wt%) 0.6%
Max THC	ND	ND		
Max CBD	0.58	5.79		

Limit of Quantitation (LOQ) = 0.01 wt%

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LOD), which is half of LOQ.

END OF REPORT

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