

## **Certificate of Analysis**

Sample ID: 500mg Tulsi Salve T23

Lot: N/A Matrix: Other Report Date: 12/21/2022 Date Analyzed: 12/19/2022 Analyst: 011

Report ID: C221202AX

Company: Mad River Botanicals 410 Butternut Hill Rd Waitsfield, VT 05673 Customer ID: 210119-0

Grower License #: #50\_2022\_00000111

Date Sampled: N/A Date Received: 12/2/2022

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	0.26	0.03
CBDA	0.0008	1.08	0.11
CBGA	0.0008	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBG	0.0019	0.36	0.04
CBD	0.0019	11.18	1.12
тнсv	0.0021	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBN	0.0013	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Δ9-THC	0.0020	0.30	0.03
∆8-THC	0.0019	<lod< th=""><th><loq< th=""></loq<></th></lod<>	<loq< th=""></loq<>
THC-A	0.0034	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
СВС	0.0024	0.40	0.04
Total THC		0.30	0.03
Total CBD		12.13	1.21
Total Cannabinoids		13.58	1.36

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows: Total THC = (THCA x 0.877) +  $\Delta$ 9-THC Ratio of Total CBD: Total THC Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

 $\label{eq:measurement} \begin{array}{ll} \mbox{Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. \\ \mbox{$\Delta 9$-THC MU = $\pm 0.005\%$} Total THC MU = $\pm 0.007\%$}$ 

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the *Certified by:* samples as received.

0.03%	1.21%			
Total THC	Total CBD			
1.36%	0.03%			
Total Cannabinoids	Δ9-ТНС			
N/A	1:40.2			
Percent Moisture	THC : CBD Ratio			



Luke E.M.

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