

# Certificate of Analysis

**Company:** Mad River Terpenes  
2497 Ireland Rd  
Starksboro, VT 05487**Sample ID:** Ice Cream Cake  
**Lot:** N/A**Report Date:** 10/28/2022**Date Analyzed:** 10/25/2022**Customer ID:** 220804-0  
**Grower License #:** SCLT0086**Matrix:** Flower  
**Date Sampled:** 10/17/2022  
**Date Received:** 10/17/2022**Analyst:** DL  
**Report ID:** C221017AQ

## Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	0.89	0.09
CBDA	0.0008	0.86	0.09
CBGA	0.0008	6.86	0.69
CBG	0.0019	1.19	0.12
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
$\Delta$ 9-THC	0.0020	3.27	0.33
$\Delta$ 8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	254.18	25.42
CBC	0.0024	0.52	0.05
<b>Total THC</b>		<b>226.18</b>	<b>22.62</b>
<b>Total CBD</b>		<b>0.76</b>	<b>0.08</b>
<b>Total Cannabinoids</b>		<b>267.77</b>	<b>26.78</b>

22.62%

Total THC

0.08%

Total CBD

26.78%

Total  
Cannabinoids

0.33%

 $\Delta$ 9-THC

13.80%

Percent  
Moisture

1 : 0

THC : CBD  
Ratio

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          Total CBD = (CBDA x 0.877) + CBD  
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).

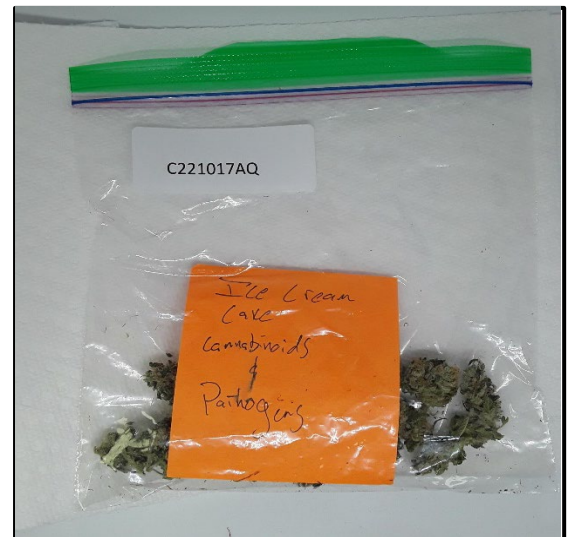
All results reflect dry weight of material, based on % moisture of the sample.

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.

$\Delta$ 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.



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Certified by: \_\_\_\_\_



Luke Emerson Mason (Laboratory Director, Bia Diagnostics)