

Certificate of Analysis

Company: Vermont Kind	Sample ID: VTKM-C0016	Report Date: 12/20/2022
2687 Willoughby Lake RD	Lot: VTKM-C0016	Date Analyzed: 12/18/2022
Barton, VT 05822	Matrix: Concentrate	Analyst: 011
Customer ID: 210614-01	Date Sampled: N/A	Report ID: C221201AE
Grower License #: S000001559	Date Received: 12/1/2022	

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	56.71	5.67
CBGA	0.0008	34.49	3.45
CBG	0.0019	11.54	1.15
CBD	0.0019	8.68	0.87
THCV	0.0021	2.21	0.22
CBN	0.0013	5.84	0.58
Δ9-THC	0.0020	270.84	27.08
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	356.97	35.70
CBC	0.0024	3.36	0.34
Total THC		583.91	58.39
Total CBD		58.41	5.84
Total Cannabinoids		750.64	75.06

58.39%	5.84%
Total THC	Total CBD

75.06%	27.08%
Total Cannabinoids	Δ9-THC

N/A	1 : 0.1
Percent Moisture	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) + Δ9-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.
 Δ9-THC MU = ±0.005% Total THC MU = ±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 samples as received.

Certified by: *Luke E. M.*
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)