

		Cert	ificate of Ar	nalys	is			
Company:	Northeast Kingd	om Hemp	Sample ID:	VTK D	ecarb			
2687 Willoughby Lake RD		y Lake RD	Lot: N/A			Report Date: 9/25/2022		
	Barton, VT 0582	2	Matrix:	Extrac	t	Date A	Analyzed: 9/19/202	22
Customer ID: 210614-0			Date Sampled: N/A			Analyst: LEM		
Grower License #: N/A			Date Received: 9/13/2022			Report ID: C220913AA		
		Can	nabinoid Sum	mary				
Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)		70.88%		0.27%	
	Customer ID: ower License #: Cannabinoid	2687 Willoughby Barton, VT 0582 Customer ID: 210614-0 ower License #: N/A Cannabinoid	Company: Northeast Kingdom Hemp 2687 Willoughby Lake RD Barton, VT 05822 Customer ID: 210614-0 ower License #: N/A Cannabinoid	Company:   Northeast Kingdom Hemp   Sample ID:     2687 Willoughby Lake RD   Lot:     Barton, VT 05822   Matrix:     Customer ID:   210614-0   Date Sampled:     ower License #:   N/A   Date Received:     Cannabinoid Sum     Concentration     Weight (%)	Company:   Northeast Kingdom Hemp   Sample ID:   VTK Description     2687 Willoughby Lake RD   Lot:   N/A     Barton, VT 05822   Matrix:   Extract     Customer ID:   210614-0   Date Sampled:   N/A     ower License #:   N/A   Date Received:   9/13/2     Cannabinoid   LOQ (mg/g)   Concentration   Weight (%)	2687 Willoughby Lake RD Lot: N/A   Barton, VT 05822 Matrix: Extract   Customer ID: 210614-0 Date Sampled: N/A   ower License #: N/A Date Received: 9/13/2022   Cannabinoid Summary   Cannabinoid LOO (mg/g)   Concentration Weight (%)	Company:   Northeast Kingdom Hemp   Sample ID:   VTK Decarb     2687   Willoughby Lake RD   Lot:   N/A   Rep     Barton, VT 05822   Matrix:   Extract   Date A     Customer ID:   210614-0   Date Sampled:   N/A     ower License #:   N/A   Date Received:   9/13/2022   R     Cannabinoid Summary     Concentration   Weight (%)   70.88%	Company:   Northeast Kingdom Hemp   Sample ID:   VTK Decarb     2687 Willoughby Lake RD   Lot:   N/A   Report Date:   9/25/20     Barton, VT 05822   Matrix:   Extract   Date Analyzed:   9/19/20     Customer ID:   210614-0   Date Sampled:   N/A   Analyst:   LEM     ower License #:   N/A   Date Received:   9/13/2022   Report ID:   C220913     Cannabinoid Summary     Cannabinoid   LOO (mg/g)   Concentration   Weight (%)   70.98%   0.27%

Profile		(mg/g)	_
CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDA	0.0008	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBGA	0.0008	6.52	0.65
CBG	0.0019	38.07	3.81
CBD	0.0019	2.66	0.27
тнсv	0.0021	5.40	0.54
CBN	0.0013	14.42	1.44
Δ9-ТНС	0.0020	707.34	70.73
Δ8-THC	0.0019	4.37	0.44
THC-A	0.0034	1.70	0.17
СВС	0.0024	10.60	1.06
Total THC		708.84	70.88
Total CBD		2.66	0.27
Total Cannabi	noids	791.10	79.11

пy		
	70.88%	0.27%
	Total THC	Total CBD
	79.11%	70.73%
	Total Cannabinoids	Δ9-ТНС
	N/A	1:0
	Percent	THC : CBD
	Moisture	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 Ratio of Total CBD = (CBDA x 0.877) + CBD Ratio of Total CBD: Total THC Total CBD = (LCBDA x 0.877) + CBD

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. \\ $\Delta 9$-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 samples as received.



Luke E.M.

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Certified by: