



**Report To:** Lume Cannabis Co.  
**Address:** 9741 South Industrial Park Dr.  
Ewart, MI, 49631, USA  
**Customer License No.:** AU-G-EX-000144  
**Report Date:** 11/15/2021

**Customer Unique ID:** Blood Star Kief  
**Source METRC ID:** 1A405030001ABC0000002142  
**Sample METRC ID:** 1A405030001ABC0000002145  
**Date Sample Collected/Received:** 11/09/2021  
**Date Testing Completed:** 11/14/2021  
**Overall Result:** **PASS**

## Certificate of Analysis for Sample No. BC-21-CS-27286 v1

Date Authorized: 11/15/2021

Total Number of Pages: 4



This report is issued under the authority of:

**Michele A. Glinn, PhD**

Chief Science Officer

This report shall not be reproduced except in full without the written approval of the laboratory.

The results relate only the sample(s) as collected and / or received by the laboratory.

Additional information regarding the test methods used by the laboratory is available upon request.

Action limits listed are those for only cannabis and cannabis derived products as determined by the State of Michigan.

Ph: (833) 847-4347 Email: [AnalyticalServices@viridisgrp.com](mailto:AnalyticalServices@viridisgrp.com), Website: [viridis-labs.com](http://viridis-labs.com)



Patient Focused  
Certification

Viridis Laboratories (Lansing) and Viridis North (Bay City) are both ISO 17025: 2017 accredited.



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Test Menu	Percent	Level Detected	Units	Completed	Lab
<b>Cannabinoids/Potency</b>				11/14/2021	BC
<b>Total THC</b>	38.540%	385.403	mg/g		
<b>Total CBD</b>	0.000%	0.000	mg/g		
<b>Total Cannabinoids</b>	45.612%	456.120	mg/g		
Delta-8-Tetrahydrocannabinol (Delta 8-THC)	0.000%	0.000	mg/g		
Cannabichromene (CBC)	0.129%	1.287	mg/g		
Cannabichromenic Acid (CBCA)	0.503%	5.026	mg/g		
Cannabidiol (CBD)	0.000%	0.000	mg/g		
Cannabidiolic Acid (CBDA)	0.000%	0.000	mg/g		
Cannabigerol (CBG)	0.103%	1.029	mg/g		
Cannabigerolic Acid (CBGA)	1.085%	10.849	mg/g		
Cannabinol (CBN)	0.000%	0.000	mg/g		
Delta 9-Tetrahydrocannabinol (THC)	1.089%	10.885	mg/g		
Tetrahydrocannabinolic Acid (THCA)	42.704%	427.044	mg/g		

Test Menu	Percent	Level Detected	Units	Completed	Lab
<b>*Terpenes</b>				11/11/2021	BC
<b>Total Terpenes</b>	1.128%	11.282	mg/g		
β-Myrcene	0.638%	6.382	mg/g		
Caryophyllene	0.183%	1.831	mg/g		
D-Limonene	0.112%	1.117	mg/g		
Linalool	0.079%	0.791	mg/g		
Humulene	0.063%	0.626	mg/g		
β-Pinene	0.036%	0.361	mg/g		
α-Pinene	0.017%	0.174	mg/g		
Terpinolene	0.000%	0.000	mg/g		
p-Cymene	0.000%	0.000	mg/g		
Ocimene 2	0.000%	0.000	mg/g		
cis-Ocimene	0.000%	0.000	mg/g		
Geraniol	0.000%	0.000	mg/g		
Eucalyptol	0.000%	0.000	mg/g		
3-Carene	0.000%	0.000	mg/g		
(-)-Isopulegol	0.000%	0.000	mg/g		



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Test Menu	Result	Level Detected	Action Limit	Units	Completed	Lab
<b>Moisture Content</b>					11/10/2021	BC
Moisture Content	TESTED	10.900	N/A	%		
<b>Water Activity</b>					11/10/2021	BC
Water activity	PASS	0.507	0.650	Aw		
<b>Microbial</b>					11/14/2021	BC
STEC E. Coli	PASS	Not Detected	Detected			
Salmonella spp.	PASS	Not Detected	Detected			
Aspergillus spp.	PASS	Not Detected	Detected			
Total Yeast & Mold	PASS	210	100000	CFU/g		
Total Coliform Bacteria	PASS	<100	1000	CFU/g		
<b>Heavy Metal</b>					11/11/2021	BC
Arsenic	PASS	0.002	0.400	ppm		
Cadmium	PASS	0.002	0.400	ppm		
Mercury	PASS	0.045	0.200	ppm		
Lead	PASS	0.012	1.000	ppm		
Chromium	PASS	0.473	1.200	ppm		
Nickel	PASS	0.235	1.000	ppm		

Test Menu	Result	Level Detected	Completed	Lab
<b>Foreign Matter Inspection</b>	PASS	Less than 5 percent stems present and less than 2 percent foreign matter with no inorganic material observed.	11/10/2021	BC

Test Menu	Result	Level Detected	Action Limit	Units	Completed	Lab
<b>Chemical Residue</b>	PASS				11/11/2021	BC

*No Reportable Analytes Detected*



## Calculations:

Total THC = (THCA\*0.877) + THC  
 Total CBD = (CBDA\*0.877) + CBD  
 Total Cannabinoids = the summation of all cannabinoids analyzed and listed on this report  
 Total Terpenes = the summation of all terpenes analyzed and listed on this report

## Laboratories:

LN: 2827 E. Saginaw st, East Lansing, MI, 48823, USA  
 BC: 1424 Straits Dr, Bay City, MI 48706, USA

## Methods:

Potency (Cannabinoids): UHPLC-DAD	Foreign Matter: Macroscopic analysis and photographic imaging
*Terpenes: GC-MS	Moisture Content & Water Activity: Aqualab/Dew Point
Heavy Metals: ICP-MS	Vitamin E Acetate: LC-MS/MS (Lansing primary) or UHPLC-DAD (Bay City, Lansing alternative)
Pesticides: LC-MS/MS	Qualitative Microbial Analysis (Yeast and Mold, Coliforms): Optical Density
Residual Solvents: GC-MS	Qualitative Microbial Analysis (Aspergillus, Salmonella, STEC): PCR
Yeast and Mold (alternative): Petrifilm plating	

## Notes:

\*Terpenes - The analysis is not evaluated by the MRA.

----- END OF REPORT -----

*Ensuring Health & Safety Within Michigan's Cannabis Industry.*



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