

**Address:** 826 E Kalamazoo St Lansing, MI, 48912, USA

Customer License No.: GR-C-000423

Report Date: 06/14/2021

Customer Unique ID: Mandarin Cookies Dry Flower Source METRC ID: 1A4050100007DC9000002943 Sample METRC ID: 1A4050100007DC9000002947 Date Sample Collected/Received: 06/09/2021

**Date Testing Completed:** 06/14/2021

Overall Result: PASS

## Certificate of Analysis for Sample No. LN-21-CS-16502 v1

Date Authorized: 6/14/2021

Total Number of Pages: 3



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, Website: viridis-labs.com













**Sample No.:** LN-21-CS-16502 **Sample Matrix:** Bud/ Flower

Sample METRC ID: 1A4050100007DC9000002947 Customer Unique ID: Mandarin Cookies Dry Flower Date Sample Collected/Received: 06/09/2021

Date Testing Completed: 06/14/2021



Total THC         30.093%         300.931         mg/g           Total CBD         0.079%         0.787         mg/g           Total Cannabinoids         34.278%         342.783         mg/g           Cannabidiolic Acid (CBD)         0.000%         0.000         mg/g           Cannabidiolic Acid (CBDA)         0.090%         0.897         mg/g           Cannabinol (CBN)         0.000%         0.000         mg/g           Delta 9-Tetrahydrocannabinol (THC)         0.892%         8.918         mg/g           Tetrahydrocannabinolic Acid (THCA)         33.297%         332.968         mg/g           *Terpenes         1.760%         17.597         mg/g           (·)-Isopulegol         0.000%         0.000         mg/g           (·)-Isopulegol         0.000%         0.000         mg/g           3-2-arene         0.000%         0.000         mg/g           a-Pinene         0.333%         0.327         mg/g           Caryophyllene         0.119%         1.190         mg/g           D-Limonene         0.255%         2.954         mg/g           Eucalyptol         0.000%         0.000         mg/g           Geraniol         0.000%         0.000	Test Menu	Percent	Level Detected	d Uni	ts	Completed	Lab
Total CBD         0.079%         0.787         mg/g           Total Cannabinoids         34.278%         342.783         mg/g           Cannabidiol (CBD)         0.000%         0.000         mg/g           Cannabidiolic Acid (CBDA)         0.990%         0.897         mg/g           Cannabinol (CBN)         0.000%         0.000         mg/g           Delta 9-Tetrahydrocannabinol (THC)         0.892%         8.918         mg/g           Tetrahydrocannabinolic Acid (THCA)         33.297%         332.968         mg/g           **Terpenes           **Terpenes         1.760%         17.597         mg/g         6/11/2021         Lt           **Total Terpenes         1.760%         17.597         mg/g         6/11/2021         Lt           **Tetrepenes         1.760%         17.597         mg/g         6/11/2021         Lt           **Tetrepenes         1.760%         17.597         mg/g         6/11/2021         Lt           **Tetrepenes         1.760%         10.000         mg/g         4         4         4         4         4         4         4         4         4         4         4         4         4         4<	Cannabinoids/Potency					6/11/2021	LN
Total CBD         0.079%         0.787         mg/g           Total Cannabinoids         34.278%         342.783         mg/g           Cannabidiol (CBD)         0.000%         0.897         mg/g           Cannabidiolic Acid (CBDA)         0.090%         0.897         mg/g           Cannabinol (CBN)         0.000%         0.000         mg/g           Delta 9-Tetrahydrocannabinol (THC)         0.892%         8.918         mg/g           Tetrahydrocannabinolic Acid (THCA)         33.297%         332.968         mg/g           Tetrahydrocannabinolic Acid (THCA)         33.297%         30.202         60.000         mg/g           T	Total THC	30.093%	300.931	mo	ı/a		
Total Cannabinoids         34.278%         342.783         mg/g           Cannabidiol (CBD)         0.000%         0.000         mg/g           Cannabidiolic Acid (CBDA)         0.090%         0.897         mg/g           Cannabidiol (CBN)         0.000%         0.000         mg/g           Delta 9-Tetrahydrocannabinol (THC)         0.892%         8.918         mg/g           Tetrahydrocannabinolic Acid (THCA)         33.297%         332.968         mg/g           **Terpenes         1.760%         17.597         mg/g         6/11/2021         Lift           **Tetrahydrocannabinolic Acid (THCA)         33.297%         332.968         mg/g         4/11/2021         Lift           **Tetrahydrocannabinolic Acid (THCA)         0.0000%         0.000 <t< td=""><td>Total CBD</td><td></td><td>0.787</td><td></td><td></td><td></td><td></td></t<>	Total CBD		0.787				
Cannabidiol (CBD) 0.000% 0.000 mg/g Cannabidiolic Acid (CBDA) 0.090% 0.887 mg/g Cannabinol (CBN) 0.000% 0.000 mg/g Delta 9-Tetrahydrocannabinol (THC) 0.882% 8.818 mg/g Tetrahydrocannabinolic Acid (THCA) 33.297% 332.968 mg/g  **Terpenes	Total Cannabinoids	34.278%	342.783				
Cannabidiolic Acid (CBDA) 0.090% 0.897 mg/g Cannabinol (CBN) 0.000% 0.000 mg/g Delta 9-Tetrahydrocannabinol (THC) 0.892% 8.918 mg/g Tetrahydrocannabinolic Acid (THCA) 33.297% 332.968 mg/g  **Terpenes	Cannabidiol (CBD)	0.000%	0.000				
Delta 9-Tetrahydrocannabinol (THC)         0.892%         8.918         mg/g           Tetrahydrocannabinolic Acid (THCA)         33.297%         332.968         mg/g           **Terpenes         6/11/2021         Lf           Total Terpenes         1.760%         17.597         mg/g           (-)-Isopulegol         0.000%         0.000         mg/g           3-Carene         0.000%         0.000         mg/g           a-Pinene         0.333%         0.3227         mg/g           Caryophyllene         0.119%         1.190         mg/g           D-Limonene         0.295%         2.954         mg/g           Eucalyptol         0.000%         0.000         mg/g           Geraniol         0.000%         0.000         mg/g           Linalool         0.073%         0.729         mg/g           Linalool         0.073%         0.729         mg/g           Ocimene         0.000%         0.000         mg/g           P-Cymene         0.000%         0.000         mg/g           B-Pinene         0.076%         0.764         mg/g           B-Pinene         0.076%         0.764         mg/g           Test Menu         R	Cannabidiolic Acid (CBDA)	0.090%	0.897	=	_		
*Terpenes	Cannabinol (CBN)	0.000%	0.000	=	_		
*Terpenes 1.760% 17.597 mg/g (-)-Isopulegol 0.000% 0.000 mg/g 3-Carene 0.000% 0.327 mg/g - Inlene 0.033% 0.327 mg/g - Inlene 0.119% 1.190 mg/g - Inlene 0.295% 2.954 mg/g - Inlene 0.295% 2.954 mg/g - Inlene 0.000% 0.000 mg/g - Inlene 0.000% 0.000 mg/g - Inlene 0.025% 0.000 mg/g - Inlene 0.000% 0.000 mg/g - Inlene 0.00	Delta 9-Tetrahydrocannabinol (THC)	0.892%	8.918	=	_		
Total Terpenes         1.760%         17.597         mg/g           (-)-Isopulegol         0.000%         0.000         mg/g           3-Carene         0.000%         0.000         mg/g           a-Pinene         0.033%         0.327         mg/g           Caryophyllene         0.119%         1.190         mg/g           D-Limonene         0.295%         2.954         mg/g           Eucalyptol         0.000%         0.000         mg/g           Geraniol         0.000%         0.000         mg/g           Humulene         0.025%         0.245         mg/g           Linalool         0.073%         0.729         mg/g           cis-Ocimene         0.000%         0.000         mg/g           Ocimene 2         0.000%         0.000         mg/g           g-Hyrcene         1.139%         11.388         mg/g           g-Pinene         0.076%         0.764         mg/g           G-Pinene         0.000%         0.000         mg/g           Water Menu         Result         Level Detected         Action Limit         Units         Completed         Level Detected           Moisture Content         TESTED         13.670	Tetrahydrocannabinolic Acid (THCA)	33.297%	332.968	mg	ı/g		
(-)-Isopulegol 0.000% 0.000 mg/g 3-Carene 0.000% 0.000 mg/g a-Pinene 0.033% 0.327 mg/g Caryophyllene 0.119% 1.190 mg/g D-Limonene 0.295% 2.954 mg/g Eucalyptol 0.000% 0.000 mg/g Geraniol 0.000% 0.000 mg/g Humulene 0.025% 0.245 mg/g Linalool 0.073% 0.729 mg/g cis-Ocimene 0.000% 0.000 mg/g Cois-Ocimene 0.000% 0.	*Terpenes					6/11/2021	LN
(-)-Isopulegol 0.000% 0.000 mg/g 3-Carene 0.000% 0.000 mg/g a-Pinene 0.033% 0.327 mg/g Caryophyllene 0.119% 1.190 mg/g D-Limonene 0.295% 2.954 mg/g Eucalyptol 0.000% 0.000 mg/g Geraniol 0.000% 0.000 mg/g Humulene 0.025% 0.245 mg/g Linalool 0.073% 0.729 mg/g cis-Ocimene 0.000% 0.000 mg/g Ocimene 2 0.000% 0.000 mg/g Ocimene	Total Terpenes	1.760%	17.597	mg	ı/g		
3-Carene	(-)-Isopulegol	0.000%	0.000				
Caryophyllene	3-Carene	0.000%	0.000				
D-Limonene         0.295%         2.954         mg/g           Eucalyptol         0.000%         0.000         mg/g           Geraniol         0.000%         0.000         mg/g           Humulene         0.025%         0.245         mg/g           Linalool         0.073%         0.729         mg/g           cis-Ocimene         0.000%         0.000         mg/g           Ocimene 2         0.000%         0.000         mg/g           β-Myrcene         1.139%         11.388         mg/g           β-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g           Test Menu         Result         Level Detected         Action Limit         Units         Completed         Late           Moisture Content         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Lit	a-Pinene	0.033%	0.327				
Eucalyptol   0.000%   0.000   mg/g	Caryophyllene	0.119%	1.190				
Geraniol         0.000%         0.000         mg/g           Humulene         0.025%         0.245         mg/g           Linalool         0.073%         0.729         mg/g           cis-Ocimene         0.000%         0.000         mg/g           Ocimene 2         0.000%         0.000         mg/g           p-Cymene         0.000%         0.000         mg/g           ß-Myrcene         1.139%         11.388         mg/g           ß-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g           Moisture Content         Moisture Content         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Literative	D-Limonene	0.295%	2.954	= =			
Humulene         0.025%         0.245         mg/g           Linalool         0.073%         0.729         mg/g           cis-Ocimene         0.000%         0.000         mg/g           Ocimene 2         0.000%         0.000         mg/g           p-Cymene         0.000%         0.000         mg/g           ß-Myrcene         1.139%         11.388         mg/g           ß-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g    Test Menu  Result  Level Detected  Action Limit Units Completed Later Moisture Content  Moisture Content  TESTED  13.670  N/A  %  6/14/2021  Little Mater Activity	Eucalyptol	0.000%	0.000	= =			
Linalool 0.073% 0.729 mg/g cis-Ocimene 0.000% 0.000 mg/g Ocimene 2 0.000% 0.000 mg/g p-Cymene 0.000% 0.000 mg/g g-Cymene 1.139% 11.388 mg/g g-Pinene 1.139% 0.764 mg/g Terpinolene 0.000% 0.000 mg/g  Test Menu Result Level Detected Action Limit Units Completed La Moisture Content Moisture Content Moisture Content TESTED 13.670 N/A % Water Activity	Geraniol	0.000%	0.000	mg	ı/g		
cis-Ocimene         0.000%         0.000         mg/g           Ocimene 2         0.000%         0.000         mg/g           p-Cymene         0.000%         0.000         mg/g           ß-Myrcene         1.139%         11.388         mg/g           ß-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g           Test Menu         Result         Level Detected         Action Limit         Units         Completed         La           Moisture Content         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Lit	Humulene	0.025%	0.245				
Ocimene 2         0.000%         0.000         mg/g           p-Cymene         0.000%         0.000         mg/g           ß-Myrcene         1.139%         11.388         mg/g           ß-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g           Test Menu         Result         Level Detected         Action Limit         Units         Completed         La           Moisture Content         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Lit	Linalool	0.073%	0.729	= =			
p-Cymene         0.000%         0.000         mg/g           ß-Myrcene         1.139%         11.388         mg/g           ß-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g           Test Menu         Result         Level Detected         Action Limit         Units         Completed         La           Moisture Content         TESTED         13.670         N/A         %         6/14/2021         Lit           Water Activity         6/14/2021         Lit	cis-Ocimene	0.000%	0.000				
ß-Myrcene         1.139%         11.388         mg/g           ß-Pinene         0.076%         0.764         mg/g           Terpinolene         0.000%         0.000         mg/g           Test Menu         Result         Level Detected         Action Limit         Units         Completed         La           Moisture Content         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Lit	Ocimene 2	0.000%	0.000	= =			
β-Pinene         0.076%         0.764         mg/g mg/g           Terpinolene         0.000%         0.000         mg/g           Woisture Content Moisture Content Moisture Content Moisture Content Activity         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Literature Literature	p-Cymene	0.000%	0.000				
Terpinolene 0.000% 0.000 mg/g  Test Menu Result Level Detected Action Limit Units Completed Late Moisture Content Moisture Content TESTED 13.670 N/A %  Water Activity 6/14/2021 Literature Content Moisture Content Tested Late Moisture Content Moisture Content Tested Late Moisture Content Late Mo	ß-Myrcene	1.139%	11.388				
Test Menu Result Level Detected Action Limit Units Completed La  Moisture Content Moisture Content TESTED 13.670 N/A %  Water Activity 6/14/2021 Li	ß-Pinene	0.076%	0.764	= =			
Moisture Content         6/14/2021         Lt           Moisture Content         TESTED         13.670         N/A         %           Water Activity         6/14/2021         Lt	Terpinolene	0.000%	0.000	mg	ı/g		
Moisture Content TESTED 13.670 N/A %  Water Activity 6/14/2021 Lft	Test Menu	Result	Level Detected	Action Limit	Units	Completed	Lab
Water Activity 6/14/2021 Lt	Moisture Content					6/14/2021	LN
	Moisture Content	TESTED	13.670	N/A	%		
-	Water Activity					6/14/2021	LN
vvalei activity	Water activity	PASS	0.524	0.650	Aw		













**Sample No.:** LN-21-CS-16502 **Sample Matrix:** Bud/ Flower

Sample METRC ID: 1A4050100007DC9000002947 Customer Unique ID: Mandarin Cookies Dry Flower Date Sample Collected/Received: 06/09/2021

Date Testing Completed: 06/14/2021



Test Menu	Result	Level Detected	Action Limit	Units	Completed	Lab
Microbial					6/14/2021	LN
STEC E. Coli	PASS	Not Detected	Detected			
Salmonella spp.	PASS	Not Detected	Detected			
Aspergillus spp.	PASS	Not Detected	Detected			
Total Yeast & Mold	PASS	100	10000	CFU/g		
Total Coliform Bacteria	PASS	0	1000	CFU/g		
łeavy Metal					6/10/2021	LN
Arsenic	PASS	0.004	0.400	ppm		
Cadmium	PASS	0.001	0.400	ppm		
Mercury	PASS	0.013	0.200	ppm		
Lead	PASS	0.003	1.000	ppm		
Chromium	PASS	0.034	1.200	ppm		
Nickel	PASS	0.296	1.000	ppm		
Test Menu	Result	Level Detected		Completed	Lab	
	2.00					

Test Menu	Result	Level Detected	Completed	Lab	
Foreign Matter Inspection	PASS	Less than 5 percent stems present and less than 2 percent foreign matter with no inorganic material	6/14/2021	LN	
		observed.			

Test Menu	Result	Level Detected	Action Limit Units	Completed	Lab
Chemical Residue	PASS			6/14/2021	LN

Laboratories:

LN: 2827 E. Saginaw st, East Lansing, MI, 48823, USA

BC: 1424 Straits Dr, Bay City, MI 48706, USA

No analytes detected above half of the action limit, as described in the MRA Sampling and Testing Techinical Gudiance for Marijuana Products

## 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

## Notes:

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

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

Ensuring Health & Safety Within Michigan's Cannabis Industry.









