



Customer: NuLeaf Naturals  
 Address: 1550 Larimer St. Suite 964  
 Denver, CO 80202  
 Sample ID: 81053  
 Matrix: Concentrates  
 Labnumber: 21B0465-01



Density (g/mL): 0.938

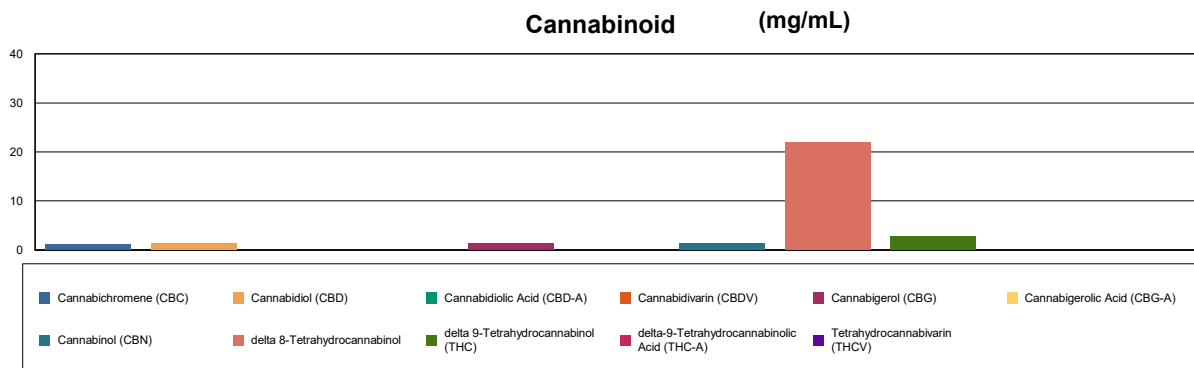
## Cannabinoid Profile

Test Conditions: 18°C  
 Extraction Technician: SH  
 Analytical Chemist: CB

Extraction Date(s)	Analysis Date(s)
2/19/2021	2/19/2021

Cannabinoids (HPLC)		Results	
	LOD (mg/mL)	%	mg/mL
Cannabidivarin (CBDV)	<0.30		
Cannabidiolic Acid (CBD-A)	<0.30		
Cannabigerolic Acid (CBG-A)	<0.30		
Cannabigerol (CBG)		0.13	1.30
Cannabidiol (CBD)		0.13	1.31
Tetrahydrocannabivarin (THCV)	<0.30		
Cannabinol (CBN)		0.12	1.23
delta 9-Tetrahydrocannabinol (THC)		0.28	2.77
delta 8-Tetrahydrocannabinol		2.19	21.9
Cannabichromene (CBC)		0.11	1.11
delta-9-Tetrahydrocannabinolic Acid (THC-A)	<0.30		
<b>Cannabinoids Total</b>		<b>%</b>	<b>mg/mL</b>
Max Active THC		0.28	2.77
Max Active CBD		0.13	1.31
T.Active Cannabinoids		0.77	7.72
Total Cannabinoids		2.97	29.70

Following USDA guidelines on uncertainty, Altitude Consulting's uncertainty is calculated to be +/- 2% for all cannabinoids using a coverage factor of 2 (95% confidence interval). Measurement uncertainty has not been factored into reported values.



**Gary Brook - Laboratory Director - 2/19/2021**

Reporting Limits will vary based on sample extraction weight used for the analysis.

Altitude Consulting, LLC utilizes NIST traceable Reference Standards and Certified Reference Material to calibrate analytical instruments along with proven analytical methods. The methods are applied in the most ethical manner following good laboratory practice guidelines. The results of this report are based solely on the sample submitted and cannot be reproduced. Decision Rule: Measurement uncertainty is not accounted for in the reported values. Results are based solely on calculated numbers. Altitude Consulting makes no Statements of conformity.


8105

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	T000121462
<b>Type:</b>	Other	<b>Submitted:</b>	01/28/2021 @ 09:00 AM
<b>Test:</b>	Metals	<b>Started:</b>	1/28/2021
<b>Method:</b>	TM19	<b>Reported:</b>	2/1/2021


**HEAVY METALS**

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.068 - 6.84	ND
Cadmium	0.069 - 6.89	ND
Mercury	0.072 - 7.17	ND
Lead	0.066 - 6.63	ND

\* ND = None Detected (Defined by Dynamic Range of the method)

**FINAL APPROVAL**  
Ryan Weems  
1-Feb-2021  
2:19 PM

PREPARED BY / DATE

  
Ben Minton  
1-Feb-2021  
3:37 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

8105

<b>Batch ID:</b>	N/A	<b>Test ID:</b>	T000121461
<b>Type:</b>	Edible	<b>Submitted:</b>	01/28/2021 @ 09:00 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	1/29/2021
<b>Method:</b>	TM24, TM25, TM26, TM27, TM28	<b>Reported:</b>	2/1/2021

**MICROBIAL CONTAMINANTS**

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b>E. coli</b>	Absent
<b>E. coli (STEC)</b>	None Detected
<b>Salmonella</b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.



Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

## NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

**FINAL APPROVAL**  
Robert Belfon  
1-Feb-2021  
4:35 PM  
Greg Zimpfer  
1-Feb-2021  
7:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

8105

<b>Batch ID:</b>		<b>Test ID:</b>	T000121463
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/28/2021 @ 09:00 AM
<b>Test:</b>	Residual Solvents	<b>Started:</b>	2/1/2021
<b>Method:</b>	TM04	<b>Reported:</b>	2/1/2021

## RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	120 - 2391	*ND
Butanes (Isobutane, n-Butane)	221 - 4422	*ND
Methanol	59 - 1174	*ND
Pentane	105 - 2099	*ND
Ethanol	105 - 2101	*ND
Acetone	100 - 2000	*ND
Isopropyl Alcohol	104 - 2078	*ND
Hexane	6 - 125	*ND
Ethyl Acetate	101 - 2027	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	102 - 2033	*ND
Toluene	18 - 362	*ND
Xylenes (m,p,o-Xylenes)	132 - 2648	*ND

\* ND = None Detected (Defined by Dynamic Range of the method)


NOTES:  
N/A

## FINAL APPROVAL



Mara Miller  
1-Feb-2021  
1:08 PM

PREPARED BY / DATE



Ben Minton  
1-Feb-2021  
3:52 PM

APPROVED BY / DATE

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Certificate #4329.02

**8105**


<b>Batch ID:</b>		<b>Test ID:</b>	T000121460
<b>Type:</b>	Concentrate	<b>Submitted:</b>	01/28/2021 @ 09:00 AM
<b>Test:</b>	Pesticides	<b>Started:</b>	2/1/2021
<b>Method:</b>	TM17	<b>Reported:</b>	2/3/2021

**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	49 - 2384	ND*	Malathion	304 - 2384	ND*
Acetamiprid	43 - 2384	ND*	Metalaxyl	47 - 2384	ND*
Abamectin	>299	ND*	Methiocarb	42 - 2384	ND*
Azoxystrobin	41 - 2384	ND*	Methomyl	42 - 2384	ND*
Bifenazate	28 - 2384	ND*	MGK 264 1	188 - 2384	ND*
Boscalid	37 - 2384	ND*	MGK 264 2	125 - 2384	ND*
Carbaryl	43 - 2384	ND*	Myclobutanil	41 - 2384	ND*
Carbofuran	43 - 2384	ND*	Naled	59 - 2384	ND*
Chlorantraniliprole	48 - 2384	ND*	Oxamyl	44 - 2384	ND*
Chlorpyrifos	47 - 2384	ND*	Paclobutrazol	43 - 2384	ND*
Clofentezine	279 - 2384	ND*	Permethrin	292 - 2384	ND*
Diazinon	301 - 2384	ND*	Phosmet	43 - 2384	ND*
Dichlorvos	>329	ND*	Prophos	266 - 2384	ND*
Dimethoate	42 - 2384	ND*	Propoxur	42 - 2384	ND*
E-Fenpyroximate	276 - 2384	ND*	Pyridaben	278 - 2384	ND*
Etofenprox	47 - 2384	ND*	Spinosad A	29 - 2384	ND*
Etoxazole	282 - 2384	ND*	Spinosad D	79 - 2384	ND*
Fenoxycarb	>46	ND*	Spiromesifen	>267	ND*
Fipronil	32 - 2384	ND*	Spirotetramat	>293	ND*
Flonicamid	50 - 2384	ND*	Spiroxamine 1	19 - 2384	ND*
Fludioxonil	>305	ND*	Spiroxamine 2	22 - 2384	ND*
Hexythiazox	40 - 2384	ND*	Tebuconazole	277 - 2384	ND*
Imazalil	293 - 2384	ND*	Thiacloprid	40 - 2384	ND*
Imidacloprid	46 - 2384	ND*	Thiamethoxam	42 - 2384	ND*
Kresoxim-methyl	42 - 2384	ND*	Trifloxystrobin	43 - 2384	ND*

\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

**FINAL APPROVAL**

 Tyler Wiese  
 3-Feb-2021  
 2:23 PM

PREPARED BY / DATE


 Greg Zimpfer  
 3-Feb-2021  
 5:01 PM

APPROVED BY / DATE

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