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# CERTIFICATE OF ANALYSIS

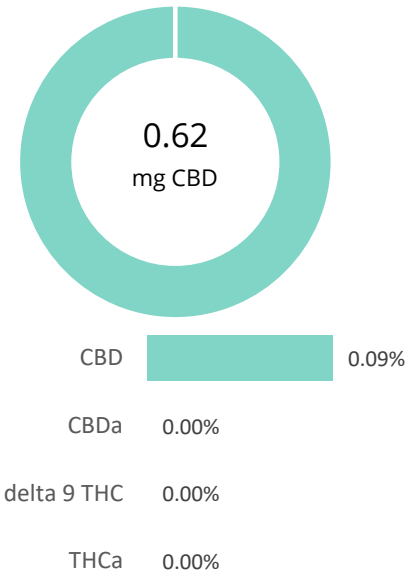
prepared for: NULEAF NATURALS

*1550 LARIMER ST. #964*
*DENVER, CO 80202*

## N119S

| | | | |
|---|---|---|---|
| **Batch ID:** | 175 | **Test ID:** | t000148661 |
| **Type:** | Unit | **Submitted:** | 06/28/2021 @ 11:08 AM |
| **Test:** | Potency | **Started:** | 6/29/2021 |
| **Method:** | TM14 | **Reported:** | 6/30/2021 |

## CANNABINOID PROFILE




| Compound | LOQ (mg) | Result (mg) | Result (mg/g) |
|---|---|---|---|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.27 | ND | ND |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.30 | ND | ND |
| Cannabidiolic acid (CBDA) | 0.24 | ND | ND |
| Cannabidiol (CBD) | 0.23 | 0.62 | 0.9 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.33 | 0.66 | 0.9 |
| Cannabinolic Acid (CBNA) | 0.19 | ND | ND |
| Cannabinol (CBN) | 0.09 | 16.12 | 23.0 |
| Cannabigerolic acid (CBGA) | 0.28 | ND | ND |
| Cannabigerol (CBG) | 0.07 | 0.68 | 1.0 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.23 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 0.06 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 0.10 | ND | ND |
| Cannabidivarin (CBDV) | 0.06 | ND | ND |
| Cannabichromenic Acid (CBCA) | 0.11 | ND | ND |
| Cannabichromene (CBC) | 0.12 | 0.69 | 1.0 |
| **Total Cannabinoids** | | **18.77** | **26.8** |
| Total Potential THC** | | ND | ND |
| Total Potential CBD** | | 0.62 | 0.9 |

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)
* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.
** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.
Total THC = THC + (THCa *(0.877)) and
Total CBD = CBD + (CBDa *(0.877))
ND = None Detected (Defined by Dynamic Range of the method)

NOTES:
# of Servings = 1, Sample Weight=0.7g

## FINAL APPROVAL

Daniel Weidensaul
30-Jun-2021
1:58 PM
PREPARED BY / DATE

Rvan Weems
30-Jun-2021
2:00 PM
APPROVED BY / DATE

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*Certificate #4329.02*

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*1550 LARIMER ST. #964*
*DENVER, CO 80202*

## N119S

| | | | |
|---|---|---|---|
| **Batch ID:** | N/A | **Test ID:** | T000138568 |
| **Type:** | Unit | **Submitted:** | 05/04/2021 @ 01:05 PM |
| **Test:** | Metals | **Started:** | 5/6/2021 |
| **Method:** | TM19 | **Reported:** | 5/7/2021 |

## HEAVY METALS

| Analyte | Dynamic Range (ppm) | Result (ppm) |
|---|---|---|
| **Arsenic** | 0.047 - 4.71 | ND |
| **Cadmium** | 0.047 - 4.66 | ND |
| **Mercury** | 0.047 - 4.66 | ND |
| **Lead** | 0.047 - 4.72 | ND |

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

## FINAL APPROVAL

Ryan Weems
7-May-2021
12:21 PM
PREPARED BY / DATE

Sam Smith
7-May-2021
12:23 PM
APPROVED BY / DATE

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*DENVER, CO 80202*

## N119S

| | | | |
|---|---|---|---|
| **Batch ID:** | N/A | **Test ID:** | T000138567 |
| **Type:** | Edible | **Submitted:** | 05/04/2021 @ 01:05 PM |
| **Test:** | Microbial Contaminants | **Started:** | 5/5/2021 |
| **Method:** | TM24, TM25, TM26, TM27, TM28 | **Reported:** | 5/8/2021 |

## MICROBIAL CONTAMINANTS

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

** 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

Sarah Henning
8-May-2021
1:59 PM

PREPARED BY / DATE

Courtney Richards
8-May-2021
7:16 PM

APPROVED BY / DATE

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Certificate #4329.03

 | 1301 S Jason St Unit K, Denver, CO 80223 | 888.800.8223 | www.botanacor.com

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*DENVER, CO 80202*

## N119S

| | | | |
|---|---|---|---|
| **Batch ID:** | | **Test ID:** | T000138566 |
| **Type:** | Concentrate | **Submitted:** | 05/04/2021 @ 01:05 PM |
| **Test:** | Pesticides | **Started:** | 5/7/2021 |
| **Method:** | TM17 | **Reported:** | 5/10/2021 |

## PESTICIDE RESIDUE

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Acephate | 32 - 2189 | ND* |
| Acetamiprid | 31 - 2189 | ND* |
| Abamectin | >290 | ND* |
| Azoxystrobin | 38 - 2189 | ND* |
| Bifenazate | 27 - 2189 | ND* |
| Boscalid | 33 - 2189 | ND* |
| Carbaryl | 34 - 2189 | ND* |
| Carbofuran | 37 - 2189 | ND* |
| Chlorantraniliprole | 34 - 2189 | ND* |
| Chlorpyrifos | 42 - 2189 | ND* |
| Clofentezine | 246 - 2189 | ND* |
| Diazinon | 261 - 2189 | ND* |
| Dichlorvos | >239 | ND* |
| Dimethoate | 34 - 2189 | ND* |
| E-Fenpyroximate | 265 - 2189 | ND* |
| Etofenprox | 39 - 2189 | ND* |
| Etoxazole | 269 - 2189 | ND* |
| Fenoxycarb | >36 | ND* |
| Fipronil | 36 - 2189 | ND* |
| Flonicamid | 37 - 2189 | ND* |
| Fludioxonil | >237 | ND* |
| Hexythiazox | 34 - 2189 | ND* |
| Imazalil | 232 - 2189 | ND* |
| Imidacloprid | 36 - 2189 | ND* |
| Kresoxim-methyl | 37 - 2189 | ND* |

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Malathion | 264 - 2189 | ND* |
| Metalaxyl | 38 - 2189 | ND* |
| Methiocarb | 34 - 2189 | ND* |
| Methomyl | 30 - 2189 | ND* |
| MGK 264 1 | 141 - 2189 | ND* |
| MGK 264 2 | 105 - 2189 | ND* |
| Myclobutanil | 36 - 2189 | ND* |
| Naled | 36 - 2189 | ND* |
| Oxamyl | 32 - 2189 | ND* |
| Paclobutrazol | 36 - 2189 | ND* |
| Permethrin | 256 - 2189 | ND* |
| Phosmet | 35 - 2189 | ND* |
| Prophos | 235 - 2189 | ND* |
| Propoxur | 34 - 2189 | ND* |
| Pyridaben | 263 - 2189 | ND* |
| Spinosad A | 24 - 2189 | ND* |
| Spinosad D | 70 - 2189 | ND* |
| Spiromesifen | >263 | ND* |
| Spirotetramat | >260 | ND* |
| Spiroxamine 1 | 14 - 2189 | ND* |
| Spiroxamine 2 | 19 - 2189 | ND* |
| Tebuconazole | 261 - 2189 | ND* |
| Thiacloprid | 32 - 2189 | ND* |
| Thiamethoxam | 34 - 2189 | ND* |
| Trifloxystrobin | 37 - 2189 | ND* |

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

N/A

## FINAL APPROVAL

Samantha Smith
Sam Smith
10-May-2021
9:35 AM

PREPARED BY / DATE

Taylor Brevik
Taylor Brevik
10-May-2021
9:38 AM

APPROVED BY / DATE

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*DENVER, CO 80202*

N119S

| | | | |
|---|---|---|---|
| **Batch ID:** | | **Test ID:** | T000138569 |
| **Type:** | Concentrate | **Submitted:** | 05/04/2021 @ 01:05 PM |
| **Test:** | Residual Solvents | **Started:** | 5/9/2021 |
| **Method:** | TM04 | **Reported:** | 5/10/2021 |

## RESIDUAL SOLVENTS

| Solvent | Dynamic Range (ppm) | Result (ppm) |
|---|---|---|
| **Propane** | 85 - 1701 | *ND |
| **Butanes** (Isobutane, n-Butane) | 174 - 3487 | *ND |
| **Methanol** | 65 - 1293 | *ND |
| **Pentane** | 92 - 1831 | *ND |
| **Ethanol** | 101 - 2028 | *ND |
| **Acetone** | 102 - 2037 | *ND |
| **Isopropyl Alcohol** | 112 - 2245 | *ND |
| **Hexane** | 6 - 126 | *ND |
| **Ethyl Acetate** | 104 - 2088 | *ND |
| **Benzene** | 0.2 - 4.1 | *ND |
| **Heptanes** | 98 - 1960 | *ND |
| **Toluene** | 18 - 370 | *ND |
| **Xylenes** (m,p,o-Xylenes) | 131 - 2618 | *ND |

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

NOTES:
N/A

## FINAL APPROVAL

Ryan Weems
10-May-2021
1:26 PM
PREPARED BY / DATE

Taylor Brevik
10-May-2021
1:28 PM
APPROVED BY / DATE

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