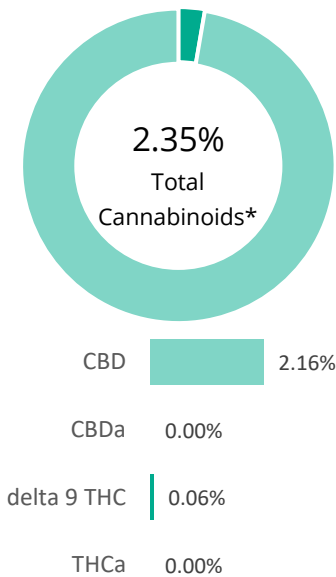


D135B

| | |
|--------------------------------|---|
| Batch ID: 35 | Test ID: T000162120 |
| Type: Concentrate | Submitted: 09/08/2021 @ 10:47 AM |
| Test: Potency | Started: 9/8/2021 |
| Method: TM14 (HPLC-DAD) | Reported: 9/9/2021 |

CANNABINOID PROFILE



| Compound | LOQ (%) | Result (%) | Result (mg/g) |
|--|---------|-------------|---------------|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.04 | ND | ND |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.05 | 0.06 | 0.6 |
| Cannabidiolic acid (CBDA) | 0.06 | ND | ND |
| Cannabidiol (CBD) | 0.06 | 2.16 | 21.6 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.05 | ND | ND |
| Cannabinolic Acid (CBNA) | 0.03 | ND | ND |
| Cannabinol (CBN) | 0.01 | ND | ND |
| Cannabigerolic acid (CBGA) | 0.04 | ND | ND |
| Cannabigerol (CBG) | 0.01 | 0.04 | 0.4 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.04 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 0.01 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 0.02 | ND | ND |
| Cannabidivarin (CBDV) | 0.01 | 0.03 | 0.3 |
| Cannabichromenic Acid (CBCA) | 0.02 | ND | ND |
| Cannabichromene (CBC) | 0.02 | 0.06 | 0.6 |
| Total Cannabinoids | | 2.35 | 23.5 |
| Total Potential THC** | | 0.06 | 0.6 |
| Total Potential CBD** | | 2.16 | 21.6 |

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$



$$\text{Total CBD} = \text{CBD} + (\text{CBDA} * (0.877))$$

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

NOTES:

N/A

FINAL APPROVAL

| | |
|--|---|
|  Rvan Weems 9-Sep-2021 11:59 AM |  Daniel Weidensaul 9-Sep-2021 12:07 PM |
| PREPARED BY / DATE | APPROVED BY / DATE |

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Certificate #4329.02


Prepared for:

D135B
NULEAF NATURALS


| | | | |
|--------------------------------------|--|------------------------------------|--|
| Batch ID or Lot Number: 35 | Test: Metals | Reported: 9/10/21 | Location: 1550 LARIMER ST. #964 DENVER, CO 80202 |
| Matrix: Unit | Test ID: T000162123 | Started: 9/8/21 | USDA License: N/A |
| Status: N/A | Method: TM19 (ICP-MS); Heavy Metals | Received: 09/08/2021 @ 10:47 AM | Sampler ID: N/A |

HEAVY METALS DETERMINATION

| Compound | Dynamic Range (ppm) | Result (ppm) | Notes |
|----------|---------------------|--------------|-------|
| Arsenic | 0.048 - 4.85 | ND | |
| Cadmium | 0.047 - 4.66 | ND | |
| Mercury | 0.045 - 4.47 | ND | |
| Lead | 0.047 - 4.72 | ND | |


 Daniel Weidensaul
 10-Sep-21
 12:51 PM

PREPARED BY / DATE


 Ryan Weems
 10-Sep-21
 12:53 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

D135B

| | | | |
|------------------|---|------------------|-----------------------|
| Batch ID: | 35 | Test ID: | T000162122 |
| Matrix: | Finished Product | Received: | 09/08/2021 @ 10:47 AM |
| Test: | Microbial Contaminants | Started: | 9/8/2021 |
| Method: | TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating) | Reported: | 9/12/2021 |

MICROBIAL CONTAMINANTS

| Contaminant | Method | LOD | LLOQ | ULOQ | Result |
|-------------------------------|--------------------------|-----------------------|-----------------------|---------------------------|----------------------|
| Total Aerobic Count* | TM-26 Culture Plating | 10 ² CFU/g | 10 ³ CFU/g | 1.5x10 ⁵ CFU/g | None Detected |
| Total Coliforms* | TM-27 Culture Plating | 10 ¹ CFU/g | 10 ² CFU/g | 1.5x10 ⁴ CFU/g | None Detected |
| Total Yeast and Molds* | TM-24 Culture Plating | 10 ¹ CFU/g | 10 ² CFU/g | 1.5x10 ⁴ CFU/g | None Detected |
| <i>E. coli</i> | TM-28 Culture Plating | 1 CFU/g | NA | NA | Absent |
| <i>E. coli</i> (STEC) | TM-25 PCR | 1 CFU/g | NA | NA | Absent |
| <i>Salmonella</i> | TM-25 PCR | 1 CFU/g | NA | NA | Absent |

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

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

DEFINITIONS:


CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection


ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

FINAL APPROVAL


 Robert Belfon
 9/11/2021
 3:58:00 PM

PREPARED BY / DATE


 Sarah Henning
 9/12/2021
 11:57:00 AM

APPROVED BY / DATE

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Certificate #4329.03



Prepared for:


D135B


NULEAF NATURALS

| | | | |
|--------------------------------------|---|------------------------------------|--|
| Batch ID or Lot Number: 35 | Test: Residual Solvents | Reported: 9/13/21 | Location: 1550 LARIMER ST. #964 DENVER, CO 80202 |
| Matrix: N/A | Test ID: T000162124 | Started: 9/10/21 | USDA License: N/A |
| Status: N/A | Methods: TM04 (GC-MS): Residual Solvents | Received: 09/08/2021 @ 10:47 AM | Sampler ID: N/A |

RESIDUAL SOLVENTS DETERMINATION

| Solvent | Dynamic Range (ppm) | Result (ppm) | Notes |
|---|---------------------|--------------|-------|
| Propane | 64 - 1271 | *ND | |
| Butanes (Isobutane, n-Butane) | 122 - 2441 | *ND | |
| Methanol | 45 - 909 | *ND | |
| Pentane | 67 - 1344 | *ND | |
| Ethanol | 72 - 1448 | *ND | |
| Acetone | 74 - 1483 | *ND | |
| Isopropyl Alcohol | 77 - 1542 | *ND | |
| Hexane | 4 - 89 | *ND | |
| Ethyl Acetate | 71 - 1413 | *ND | |
| Benzene | 0 - 3 | *ND | |
| Heptanes | 71 - 1421 | *ND | |
| Toluene | 13 - 267 | *ND | |
| Xylenes (m,p,o-Xylenes) | 96 - 1928 | *ND | |


 Sam Smith
 13-Sep-21
 9:56 AM


 Ryan Weems
 13-Sep-21
 9:58 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02


Prepared for:


D135B
NULEAF NATURALS

| | | | |
|--------------------------------------|-----------------------------------|------------------------------------|--|
| Batch ID or Lot Number: 35 | Test: Pesticides | Reported: 9/15/21 | Location: 1550 LARIMER ST. #964 DENVER, CO 80202 |
| Matrix: Concentrate | Test ID: T000162121 | Started: 9/14/21 | USDA License: N/A |
| Status: N/A | Method: TM17(LC-QQQ LC MS/MS): | Received: 09/08/2021 @ 10:47 AM | Sampler ID: N/A |

PESTICIDE DETERMINATION

| Compound | LOQ (ppb) | Result (ppb) | Compound | LOQ (ppb) | Result (ppb) | Compound | LOQ (ppb) | Result (ppb) |
|---------------------|-----------|--------------|-----------------|-----------|--------------|-----------------|-----------|--------------|
| Acephate | 43 | ND | Fenoxycarb | 43 | ND | Paclobutrazol | 43 | ND |
| Acetamiprid | 40 | ND | Fipronil | 48 | ND | Permethrin | 287 | ND |
| Avermectin | 283 | ND | Flonicamid | 39 | ND | Phosmet | 44 | ND |
| Azoxystrobin | 43 | ND | Fludioxonil | 296 | ND | Prophos | 283 | ND |
| Bifenazate | 45 | ND | Hexythiazox | 47 | ND | Propoxur | 40 | ND |
| Boscalid | 59 | ND | Imazalil | 256 | ND | Pyridaben | 285 | ND |
| Carbaryl | 39 | ND | Imidacloprid | 38 | ND | Spinosad A | 35 | ND |
| Carbofuran | 40 | ND | Kresoxim-methyl | 150 | ND | Spinosad D | 50 | ND |
| Chlorantraniliprole | 56 | ND | Malathion | 292 | ND | Spiromesifen | 231 | ND |
| Chlorpyrifos | 500 | ND | Metalaxyl | 42 | ND | Spirotetramat | 329 | ND |
| Clofentezine | 276 | ND | Methiocarb | 40 | ND | Spiroxamine 1 | 17 | ND |
| Diazinon | 282 | ND | Methomyl | 42 | ND | Spiroxamine 2 | 23 | ND |
| Dichlorvos | 254 | ND | MGK 264 1 | 161 | ND | Tebuconazole | 286 | ND |
| Dimethoate | 41 | ND | MGK 264 2 | 133 | ND | Thiacloprid | 42 | ND |
| E-Fenpyroximate | 236 | ND | Myclobutanil | 40 | ND | Thiamethoxam | 43 | ND |
| Etofenprox | 43 | ND | Naled | 40 | ND | Trifloxystrobin | 43 | ND |
| Etoxazole | 269 | ND | Oxamyl | 1500 | ND | | | |


 Sam Smith
 9/15/2021
 10:08:00 AM


 Alex Benson
 9/15/2021
 2:50:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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