

Certificate of Analysis

| | | |
|--------------------------------|-----------------------------------|---|
| Order # 2211HTB0011 | Receipt Date: 11/7/2022 13:11 | Product Name: NuLeaf Blue Raspberry Full Spectrum |
| Order Date: 11/7/2022 | Completion Date: 11/08/2022 13:21 | Description: Gummy |
| Sample # 2211HTB0011-001 | Initial Gross Weight: | Matrix: Edible Gummy |
| Sampling Date: 11/7/2022 00:11 | Sampling Method: LAB-025 | Total Batch Weight or Volume: |



| | | | |
|--------------------------------|----------------------|-------------------------|------------------------------|
| Client: NuLeaf Naturals | Batch #: 220281 | Batch Date: 11/7/2022 | Cultivation Facility: |
| Address: 3400 S. Federal Blvd. | Extracted From: Hemp | Cultivars: Distillate | Cultivation Date: 11/7/2022 |
| Address: Denver, CO 80110 | Lot ID: 220281 | Test Reg State: Hemp FL | Production Facility: Plant 6 |
| | Seed to Sale #: | | Production Date: 11/7/2022 |

SUMMARY

| | | | | | | |
|--------------------------|--------------------------|------------------------------------|--|--------------------------------------|---------------------------------|--------------------------------------|
| TESTED Potency | NOT TESTED Terpenes | NOT TESTED Pesticides | NOT TESTED Heavy Metals | NOT TESTED Total Contaminant Load | NOT TESTED Residual Solvents | NOT TESTED Total Aerobic Bacteria |
| NOT TESTED Mycotoxins | NOT TESTED Microbials | NOT TESTED Total Yeast and Mold | NOT TESTED Filth and Foreign Material | NOT TESTED Water Activity | NOT TESTED Moisture | NOT TESTED Homogeneity |

| POTENCY | | | | TESTED | | | | POTENCY SUMMARY | | | |
|---------------------------------|----------------------------|------------------------|----------------------------|---------|---------------------|----------------------------|-------------------------------|----------------------------|--|--|--|
| Analyte | LOD (mg/g) | Result (mg/g) | Result % | mg/unit | Total THC 0.103% | Total THC/Unit 5.133 mg | THC Label Claim N/A N/A | Total Cannabinoids 0.3% | | | |
| d9-THC | 0.00002 | 1.03 | 0.103 | 5.133 | | | | | | | |
| CBG | 0.000015 | 0.805 | 0.080 | 4.024 | | | | | | | |
| CBD | 0.00001 | 0.411 | 0.041 | 2.053 | | | | | | | |
| CBN | 0.000009 | 0.382 | 0.038 | 1.910 | | | | | | | |
| CBC | 0.000004 | ND | ND | N/A | | | | | | | |
| CBDA | 0.000012 | ND | ND | N/A | | | | | | | |
| CBDV | 0.000017 | ND | ND | N/A | | | | | | | |
| CBGA | 0.000008 | ND | ND | N/A | | | | | | | |
| d8-THC | 0.000246 | ND | ND | N/A | | | | | | | |
| THCA | 0.000012 | ND | ND | N/A | | | | | | | |
| THCV | 0.000015 | ND | ND | N/A | | | | | | | |
| Sample Prepared By 023 | Date/Time: 11/8/2022 13:02 | Sample Analyzed By 023 | Date/Time: 11/8/2022 13:05 | | | | | | | | |
| Batch Reviewed By 027 | Date/Time: 11/8/2022 13:20 | Analysis # | Potency 1 | | | | | | | | |
| Specimen wt (g) 0.5455 | | Dilution | 100 | | | | | | | | |
| Analysis Method: TM-001 Potency | | Instrument Used: HPLC | | | | | | | | | |

TERPENES SUMMARY

| Analyte | Result | Result % |
|--------------------|--------|----------|
| (+/-)-Borneol | | |
| (+/-)-Fenchone | | |
| [+/-]-Camphor | | |
| alpha-Bisabolol | | |
| alpha-Cedrene | | |
| alpha-Humulene | | |
| alpha-Phellandrene | | |
| alpha-Pinene | | |
| alpha-Terpinene | | |
| alpha-terpinolene | | |

Total Terpenes:

Showing top 10 Terpenes, full analysis on the following page.

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (µg/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation, (ppm) = parts per million, (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (µg/kg).

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CERTIFICATE OF ANALYSIS

 Prepared for:
NULEAF NATURALS

 1550 LARIMER ST. #964
 DENVER, CO USA 80202

D9 THC Gummy Blue Rasp

| | | | |
|--|--|-------------------------------|---------------------|
| Batch ID or Lot Number: 220281 | Test: Heavy Metals | Reported: 25Oct2022 | USDA License: NA |
| Matrix: Unit | Test ID: T000224930 | Started: 24Oct2022 | Sampler ID: NA |
| | Method(s): TM19 (ICP-MS): Heavy Metals | Received: 17Oct2022 | Status: NA |

| Heavy Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------------------|----------------------------|---------------------|--------------|
| Arsenic | 0.04 - 4.19 | ND | |
| Cadmium | 0.04 - 4.28 | ND | |
| Mercury | 0.04 - 3.79 | ND | |
| Lead | 0.04 - 4.13 | ND | |

Final Approval


 Sam Smith
 25Oct2022
 08:37:00 AM MDT

PREPARED BY / DATE



APPROVED BY / DATE

 Karen Winternheimer
 25Oct2022
 08:42:00 AM MDT

<https://results.botanacor.com/api/v1/coas/uuid/8b7d370e-bec2-4d8f-9174-4b9b18da0ad8>
Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.


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CERTIFICATE OF ANALYSIS

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

D9 THC Gummy Blue Rasp

| | | | |
|--|--|-------------------------------|---------------------|
| Batch ID or Lot Number: 220281 | Test: Microbial Contaminants | Reported: 21Oct2022 | USDA License: NA |
| Matrix: Finished Product | Test ID: T000224929 | Started: 18Oct2022 | Sampler ID: NA |
| | Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating) | Received: 17Oct2022 | Status: NA |

Microbial

Contaminants

| Contaminants | Method | LOD | Quantitation | | Notes |
|-----------------------|-----------------------|-------------------------|---|---------------|---|
| | | | Range | Result | |
| STEC | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | Free from visual mold, mildew, and foreign matter |
| Salmonella | TM25: PCR | 10 ⁰ CFU/25g | NA | Absent | |
| Total Yeast and Mold* | TM24: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |
| Total Aerobic Count* | TM26: Culture Plating | 10 ² CFU/g | 1.0x10 ³ - 1.5x10 ⁵ | None Detected | |
| Total Coliforms* | TM27: Culture Plating | 10 ¹ CFU/g | 1.0x10 ² - 1.5x10 ⁴ | None Detected | |

Final Approval



Eden Thompson-Wright
21Oct2022
03:24:00 PM MDT

PREPARED BY / DATE



APPROVED BY / DATE

Brianne Maillot
21Oct2022
03:33:00 PM MDT



<https://results.botanacor.com/api/v1/coas/uuid/611865c3-c747-490d-921a-4ab97ee71a28>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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CERTIFICATE OF ANALYSIS

Prepared for:
NULEAF NATURALS

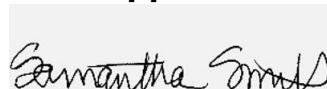
1550 LARIMER ST. #964
DENVER, CO USA 80202

D9 THC Gummy Blue Rasp

| | | | |
|--|--|-------------------------------|---------------------|
| Batch ID or Lot Number: 220281 | Test: Pesticides | Reported: 26Oct2022 | USDA License: NA |
| Matrix: Concentrate | Test ID: T000224928 | Started: 25Oct2022 | Sampler ID: NA |
| | Method(s): TM17 (LC-QQ LC MS/MS) | Received: 17Oct2022 | Status: NA |

| Pesticides | Dynamic Range (ppb) | Result (ppb) | Dynamic Range (ppb) | Result (ppb) |
|---------------------|----------------------------|---------------------|----------------------------|---------------------|
| Abamectin | 251 - 2634 | ND | Malathion | 288 - 2733 |
| Acephate | 35 - 2752 | ND | Metalaxyl | 40 - 2748 |
| Acetamiprid | 36 - 2688 | ND | Methiocarb | 42 - 2801 |
| Azoxystrobin | 40 - 2741 | ND | Methomyl | 34 - 2705 |
| Bifenazate | 38 - 2718 | ND | MGK 264 1 | 144 - 1597 |
| Boscalid | 41 - 2823 | ND | MGK 264 2 | 113 - 1138 |
| Carbaryl | 40 - 2721 | ND | Myclobutanil | 45 - 2760 |
| Carbofuran | 41 - 2709 | ND | Naled | 47 - 2735 |
| Chlorantraniliprole | 43 - 2763 | ND | Oxamyl | 38 - 2691 |
| Chlorpyrifos | 56 - 2830 | ND | Pacllobutrazol | 43 - 2705 |
| Clofentezine | 279 - 2735 | ND | Permethrin | 282 - 2780 |
| Diazinon | 277 - 2745 | ND | Phosmet | 42 - 2720 |
| Dichlorvos | 258 - 2688 | ND | Prophos | 287 - 2746 |
| Dimethoate | 37 - 2672 | ND | Propoxur | 40 - 2714 |
| E-Fenpyroximate | 283 - 2752 | ND | Pyridaben | 289 - 2762 |
| Etofenprox | 42 - 2757 | ND | Spinosad A | 30 - 2259 |
| Etoxazole | 288 - 2732 | ND | Spinosad D | 43 - 500 |
| Fenoxy carb | 45 - 2766 | ND | Spiromesifen | 270 - 2789 |
| Fipronil | 58 - 2756 | ND | Spirotetramat | 260 - 2788 |
| Flonicamid | 39 - 2707 | ND | Spiroxamine 1 | 16 - 1183 |
| Fludioxonil | 286 - 2787 | ND | Spiroxamine 2 | 20 - 1603 |
| Hexythiazox | 39 - 2786 | ND | Tebuconazole | 294 - 2729 |
| Imazalil | 259 - 2800 | ND | Thiacloprid | 36 - 2683 |
| Imidacloprid | 42 - 2697 | ND | Thiamethoxam | 40 - 2711 |
| Kresoxim-methyl | 17 - 2783 | ND | Trifloxystrobin | 41 - 2738 |

Final Approval



Sam Smith
26Oct2022
11:01:00 AM MDT

PREPARED BY / DATE



APPROVED BY / DATE

Karen Winternheimer
26Oct2022
11:05:00 AM MDT



<https://results.botanacor.com/api/v1/coas/uuid/fa49ec82-d5f0-4e7d-9dc7-6ac9c0c2c81c>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

ppb = Parts Per Billion

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CERTIFICATE OF ANALYSIS

Prepared for:
NULEAF NATURALS

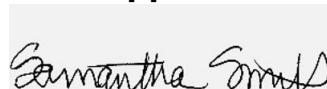
1550 LARIMER ST. #964
DENVER, CO USA 80202

D9 THC Gummy Blue Rasp

| | | | |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number: 220281 | Test: Residual Solvents | Reported: 20Oct2022 | USDA License: N/A |
| Matrix: Concentrate | Test ID: T000224931 | Started: 19Oct2022 | Sampler ID: N/A |
| | Method(s): TM04 (GC-MS): Residual Solvents | Received: 17Oct2022 | Status: Active |

| Residual Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 94 - 1873 | ND | |
| Butanes (Isobutane, n-Butane) | 195 - 3901 | ND | |
| Methanol | 61 - 1226 | ND | |
| Pentane | 104 - 2077 | ND | |
| Ethanol | 100 - 2000 | ND | |
| Acetone | 103 - 2051 | ND | |
| Isopropyl Alcohol | 104 - 2074 | ND | |
| Hexane | 6 - 125 | ND | |
| Ethyl Acetate | 103 - 2053 | ND | |
| Benzene | 0.2 - 4.1 | ND | |
| Heptanes | 104 - 2088 | ND | |
| Toluene | 19 - 370 | ND | |
| Xylenes (m,p,o-Xylenes) | 138 - 2763 | ND | |

Final Approval



Sam Smith
20Oct2022
08:51:00 AM MDT

PREPARED BY / DATE



APPROVED BY / DATE

Karen Winternheimer
20Oct2022
08:54:00 AM MDT



<https://results.botanacor.com/api/v1/coas/uuid/77deefc-32a1-4eea-8f4a-a189e4c33227>

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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