SC Labs®
Formerly Botanacor Labs

# CERTIFICATE OF ANALYSIS

Prepared for:
**Candelay Industries**
4023 Kennett Pike #302
Greenville, DE USA 19807

## Rionegro 1500

| Batch ID or Lot Number: | Test, Test ID and Methods: | Matrix: | Page 1 of 5 |
|---|---|---|---|
| **100078** | Various | Finished Product | |
| **Reported:** | **Started:** | **Received:** | |
| **18Jul2022** | 14Jul2022 | 13Jul2022 | |

## Microbial Contaminants

Test ID: T000213569
Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

| | Method | LOD | Quantitation Range | Result | Notes |
|---|---|---|---|---|---|
| STEC | TM25: PCR | $10^0$ CFU/g | NA | Absent | Free from visual mold, mildew, and foreign matter |
| *Salmonella* | TM25: PCR | $10^0$ CFU/g | 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**

Brianne Maillot
17Jul2022
02:54:00 PM MDT
PREPARED BY / DATE

Brett Hudson
18Jul2022
10:03:00 AM MDT
APPROVED BY / DATE

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## Pesticides

Test ID: T000213568
Methods: TM17

| (LC-QQ LC MS/MS) | **Dynamic Range** (ppb) | **Result** (ppb) | | **Dynamic Range** (ppb) | **Result** (ppb) |
|---|---|---|---|---|---|
| Abamectin | 207 - 2684 | ND | Malathion | 291 - 2735 | ND |
| Acephate | 41 - 2818 | ND | Metalaxyl | 45 - 2749 | ND |
| Acetamiprid | 41 - 2742 | ND | Methiocarb | 41 - 2805 | ND |
| Azoxystrobin | 43 - 2730 | ND | Methomyl | 40 - 2778 | ND |
| Bifenazate | 42 - 2729 | ND | MGK 264 1 | 174 - 1615 | ND |
| Boscalid | 48 - 2829 | ND | MGK 264 2 | 106 - 1155 | ND |
| Carbaryl | 40 - 2740 | ND | Myclobutanil | 14 - 2811 | ND |
| Carbofuran | 39 - 2736 | ND | Naled | 45 - 2776 | ND |
| Chlorantraniliprole | 45 - 2819 | ND | Oxamyl | 40 - 2744 | ND |
| Chlorpyrifos | 39 - 2730 | ND | Paclobutrazol | 42 - 2733 | ND |
| Clofentezine | 285 - 2736 | ND | Permethrin | 271 - 2736 | ND |
| Diazinon | 284 - 2760 | ND | Phosmet | 43 - 2747 | ND |
| Dichlorvos | 267 - 2755 | ND | Prophos | 298 - 2791 | ND |
| Dimethoate | 40 - 2725 | ND | Propoxur | 42 - 2728 | ND |
| E-Fenpyroximate | 286 - 2734 | ND | Pyridaben | 278 - 2696 | ND |
| Etofenprox | 42 - 2726 | ND | Spinosad A | 34 - 2262 | ND |
| Etoxazole | 282 - 2714 | ND | Spinosad D | 46 - 500 | ND |
| Fenoxycarb | 42 - 2741 | ND | Spiromesifen | 243 - 2742 | ND |
| Fipronil | 38 - 2747 | ND | Spirotetramat | 306 - 2720 | ND |
| Flonicamid | 51 - 2693 | ND | Spiroxamine 1 | 18 - 1213 | ND |
| Fludioxonil | 304 - 2798 | ND | Spiroxamine 2 | 25 - 1602 | ND |
| Hexythiazox | 41 - 2769 | ND | Tebuconazole | 297 - 2778 | ND |
| Imazalil | 276 - 2816 | ND | Thiacloprid | 41 - 2722 | ND |
| Imidacloprid | 46 - 2718 | ND | Thiamethoxam | 44 - 2766 | ND |
| Kresoxim-methyl | 46 - 2818 | ND | Trifloxystrobin | 44 - 2742 | ND |

**Final Approval**

Daniel Weidensaul
18Jul2022
10:22:00 AM MDT
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Sam Smith
18Jul2022
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## Cannabinoids

Test ID: T000213566
Methods: TM14 (HPLC-DAD): Potency - Full Spectrum

| Analysis, 0.3% THC | **LOD** (%) | **LOQ** (%) | **Result** (%) | **Result** (mg/g) | **Notes** |
|---|---|---|---|---|---|
| Cannabichromene (CBC) | 0.033 | 0.095 | 0.282 | 2.82 | |
| Cannabichromenic Acid (CBCA) | 0.030 | 0.087 | ND | ND | |
| Cannabidiol (CBD) | 0.080 | 0.248 | 5.423 | 54.23 | |
| Cannabidiolic Acid (CBDA) | 0.082 | 0.255 | 0.278 | 2.78 | |
| Cannabidivarin (CBDV) | 0.019 | 0.059 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 0.034 | 0.106 | ND | ND | |
| Cannabigerol (CBG) | 0.019 | 0.054 | 0.093 | 0.93 | |
| Cannabigerolic Acid (CBGA) | 0.078 | 0.225 | ND | ND | |
| Cannabinol (CBN) | 0.024 | 0.070 | <LOQ | 0.33 | |
| Cannabinolic Acid (CBNA) | 0.053 | 0.154 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.093 | 0.269 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.084 | 0.244 | 0.169 | 1.69 | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.075 | 0.216 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.017 | 0.049 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.066 | 0.191 | ND | ND | |
| **Total Cannabinoids** | | | **6.278** | **62.78** | |
| Total Potential THC | | | 0.169 | 1.69 | |
| Total Potential CBD | | | 5.667 | 56.67 | |

**Final Approval**

Daniel Weidensaul
19Jul2022
02:19:00 PM MDT
PREPARED BY / DATE

Jacob Miller
19Jul2022
02:23:00 PM MDT
APPROVED BY / DATE

## Heavy Metals

Test ID: T000213570
Methods: TM19 (ICP-MS): Heavy

| Metals | **Dynamic Range** (ppm) | **Result** (ppm) | **Notes** |
|---|---|---|---|
| Arsenic | 0.04 - 4.26 | ND | |
| Cadmium | 0.05 - 4.53 | ND | |
| Mercury | 0.04 - 4.48 | ND | |
| Lead | 0.04 - 4.12 | ND | |

**Final Approval**

Colin Hendrickson
19Jul2022
12:26:00 PM MDT
PREPARED BY / DATE

Daniel Weidensaul
19Jul2022
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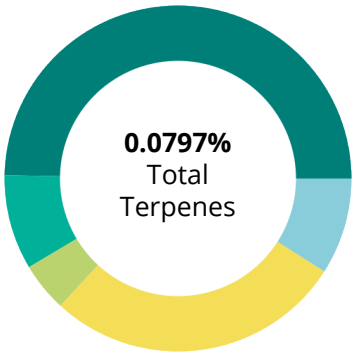
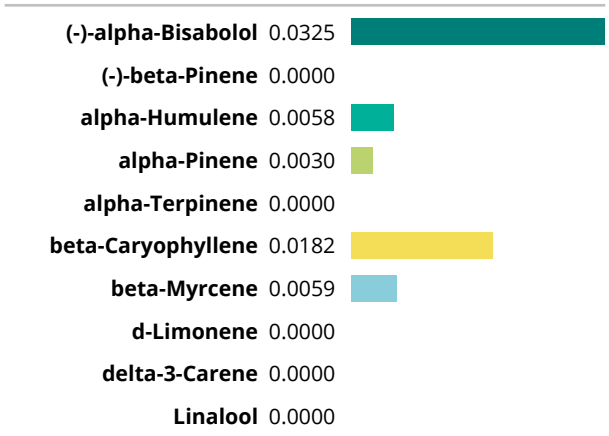
## Terpenes

Test ID: T000213567

| Methods: TM22 (GC-MS) | %(w/w) | (mg/g) |
|---|---|---|
| (-)-alpha-Bisabolol | 0.0325 | 0.325 |
| (-)-beta-Pinene | 0.0000 | 0.0000 |
| (-)-Caryophyllene Oxide | 0.0133 | 0.133 |
| (-)-Isopulegol | 0.0000 | 0.0000 |
| alpha-Humulene | 0.0058 | 0.058 |
| alpha-Pinene | 0.0030 | 0.030 |
| alpha-Terpinene | 0.0000 | 0.0000 |
| beta-Caryophyllene | 0.0182 | 0.182 |
| beta-Myrcene | 0.0059 | 0.059 |
| beta-Ocimene | 0.0000 | 0.0000 |
| Camphene | 0.0000 | 0.0000 |
| cis-Nerolidol | 0.0000 | 0.0000 |
| d-Limonene | 0.0000 | 0.0000 |
| delta-3-Carene | 0.0000 | 0.0000 |
| Eucalyptol | 0.0000 | 0.0000 |
| gamma-Terpinene | 0.0000 | 0.0000 |
| Geraniol | 0.0000 | 0.0000 |
| Linalool | 0.0000 | 0.0000 |
| Ocimene | 0.0000 | 0.0000 |
| p-Cymene | 0.0000 | 0.0000 |
| Terpinolene | 0.0000 | 0.0000 |
| trans-Nerolidol | 0.0010 | 0.010 |
| | **0.0797** | **0.7970** |




**PREDOMINANT** TERPENES




**Notes**

**Final Approval**

Jacob Miller
20Jul2022
03:47:00 PM MDT
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Daniel Weidensaul
20Jul2022
03:55:00 PM MDT
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https://results.botanacor.com/api/v1/coas/uuid/4180f1de-1a2a-4bbd-bcbc-08b077e2602f

**Definitions**
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or – the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units 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.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit A2LA for more details.

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