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# CERTIFICATE OF ANALYSIS

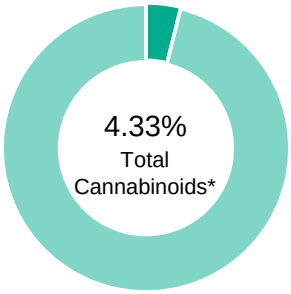
prepared for: Beak and Skiff Research

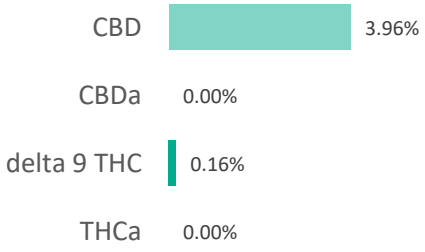
*4472 Cherry Valley Tpke*
*Lafayette, NY 13084*

## CBD Balm Restore 2500mg

| | | | |
|---|---|---|---|
| **Batch ID:** | B0002 | **Test ID:** | T000114774 |
| **Type:** | Concentrate | **Submitted:** | 12/11/2020 @ 10:47 AM |
| **Test:** | Potency | **Started:** | 12/11/2020 |
| **Method:** | TM14 | **Reported:** | 12/14/2020 |

## CANNABINOID PROFILE




| Compound | LOQ (%) | Result (%) | Result (mg/g) |
|---|---|---|---|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.12 | ND | ND |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.14 | 0.16 | 1.6 |
| Cannabidiolic acid (CBDA) | 0.18 | ND | ND |
| Cannabidiol (CBD) | 0.17 | 3.96 | 39.6 |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 0.15 | ND | ND |
| Cannabinolic Acid (CBNA) | 0.09 | ND | ND |
| Cannabinol (CBN) | 0.04 | ND | ND |
| Cannabigerolic acid (CBGA) | 0.13 | ND | ND |
| Cannabigerol (CBG) | 0.03 | 0.13 | 1.3 |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.11 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 0.03 | ND | ND |
| Cannabidivarinic Acid (CBDVA) | 0.07 | ND | ND |
| Cannabidivarin (CBDV) | 0.04 | ND | ND |
| Cannabichromenic Acid (CBCA) | 0.05 | ND | ND |
| Cannabichromene (CBC) | 0.05 | 0.08 | 0.8 |
| **Total Cannabinoids** | | **4.33** | **43.3** |
| Total Potential THC** | | 0.16 | 1.6 |
| Total Potential CBD** | | 3.96 | 39.6 |

NOTES:
N/A

% = % (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)

## FINAL APPROVAL

Mara Miller
14-Dec-2020
1:21 PM
PREPARED BY / DATE

Ben Minton
14-Dec-2020
1:30 PM
APPROVED BY / DATE

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*Certificate #4329.02*

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# CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
*4472 CHERRY VALLEY TPKE*
*LAFAYETTE, NY 13084*

## CBD Balm Restore 2500mg

| | | | |
|---|---|---|---|
| **Batch ID:** | B0002 | **Test ID:** | T000114775 |
| **Type:** | Topical | **Submitted:** | 12/11/2020 @ 10:47 AM |
| **Test:** | Residual Solvents | **Started:** | 12/16/2020 |
| **Method:** | TM04 | **Reported:** | 12/16/2020 |

## RESIDUAL SOLVENTS

| Solvent | Dynamic Range (ppm) | Result (ppm) |
|---|---|---|
| **Propane** | 111 - 2219 | *ND |
| **Butanes** (Isobutane, n-Butane) | 209 - 4182 | *ND |
| **Methanol** | 63 - 1257 | *ND |
| **Pentane** | 104 - 2073 | *ND |
| **Ethanol** | 104 - 2083 | *ND |
| **Acetone** | 102 - 2042 | *ND |
| **Isopropyl Alcohol** | 103 - 2061 | *ND |
| **Hexane** | 6 - 124 | *ND |
| **Ethyl Acetate** | 100 - 2003 | *ND |
| **Benzene** | 0.2 - 3.9 | *ND |
| **Heptanes** | 102 - 2033 | *ND |
| **Toluene** | 18 - 362 | *ND |
| **Xylenes** (m,p,o-Xylenes) | 131 - 2612 | *ND |

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

NOTES:
N/A

## FINAL APPROVAL

Sam Smith
16-Dec-2020
3:34 PM

PREPARED BY / DATE

Greg Zimpfer
16-Dec-2020
4:03 PM

APPROVED BY / DATE

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# CERTIFICATE OF ANALYSIS

prepared for: Beak and Skiff Research
*4472 Cherry Valley Tpke*
*Lafayette, NY 13084*

## CBD Balm Restore 2500mg

| | | | |
|---|---|---|---|
| **Batch ID:** | B0002 | **Test ID:** | T000114777 |
| **Type:** | Concentrate | **Submitted:** | 12/11/2020 @ 10:47 AM |
| **Test:** | Pesticides | **Started:** | 12/15/2020 |
| **Method:** | TM17 | **Reported:** | 12/17/2020 |

## PESTICIDE RESIDUE

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Acephate | 39 - 2060 | ND* |
| Acetamiprid | 35 - 2060 | ND* |
| Abamectin | >271 | ND* |
| Azoxystrobin | 38 - 2060 | ND* |
| Bifenazate | 25 - 2060 | ND* |
| Boscalid | 42 - 2060 | ND* |
| Carbaryl | 35 - 2060 | ND* |
| Carbofuran | 36 - 2060 | ND* |
| Chlorantraniliprole | 44 - 2060 | ND* |
| Chlorpyrifos | 36 - 2060 | ND* |
| Clofentezine | 240 - 2060 | ND* |
| Diazinon | 257 - 2060 | ND* |
| Dichlorvos | >248 | ND* |
| Dimethoate | 37 - 2060 | ND* |
| E-Fenpyroximate | 191 - 2060 | ND* |
| Etofenprox | 36 - 2060 | ND* |
| Etoxazole | 243 - 2060 | ND* |
| Fenoxycarb | >34 | ND* |
| Fipronil | 29 - 2060 | ND* |
| Flonicamid | 29 - 2060 | ND* |
| Fludioxonil | >282 | ND* |
| Hexythiazox | 36 - 2060 | ND* |
| Imazalil | 246 - 2060 | ND* |
| Imidacloprid | 39 - 2060 | ND* |
| Kresoxim-methyl | 39 - 2060 | ND* |

| Compound | Dynamic Range (ppb) | Result (ppb) |
|---|---|---|
| Malathion | 245 - 2060 | ND* |
| Metalaxyl | 40 - 2060 | ND* |
| Methiocarb | 37 - 2060 | ND* |
| Methomyl | 39 - 2060 | ND* |
| MGK 264 1 | 131 - 2060 | ND* |
| MGK 264 2 | 104 - 2060 | ND* |
| Myclobutanil | 35 - 2060 | ND* |
| Naled | 44 - 2060 | ND* |
| Oxamyl | 39 - 2060 | ND* |
| Paclobutrazol | 38 - 2060 | ND* |
| Permethrin | 260 - 2060 | ND* |
| Phosmet | 38 - 2060 | ND* |
| Prophos | 258 - 2060 | ND* |
| Propoxur | 36 - 2060 | ND* |
| Pyridaben | 238 - 2060 | ND* |
| Spinosad A | 24 - 2060 | ND* |
| Spinosad D | 65 - 2060 | ND* |
| Spiromesifen | >209 | ND* |
| Spirotetramat | >234 | ND* |
| Spiroxamine 1 | 16 - 2060 | ND* |
| Spiroxamine 2 | 20 - 2060 | ND* |
| Tebuconazole | 272 - 2060 | ND* |
| Thiacloprid | 36 - 2060 | ND* |
| Thiamethoxam | 39 - 2060 | ND* |
| Trifloxystrobin | 36 - 2060 | ND* |

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

N/A

## FINAL APPROVAL

Taylor Brevik
17-Dec-2020
11:13 AM

PREPARED BY / DATE

Ben Minton
17-Dec-2020
6:54 PM

APPROVED BY / DATE

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prepared for: Beak and Skiff Research
*4472 Cherry Valley Tpke*
*Lafayette, NY 13084*

## CBD Balm Restore 2500mg

| | | | |
|---|---|---|---|
| **Batch ID:** | B0002 | **Test ID:** | T000114778 |
| **Type:** | Other | **Submitted:** | 12/11/2020 @ 10:47 AM |
| **Test:** | Metals | **Started:** | 12/15/2020 |
| **Method:** | TM19 | **Reported:** | 12/16/2020 |

## HEAVY METALS

| Analyte | Dynamic Range (ppm) | Result (ppm) |
|---|---|---|
| **Arsenic** | 0.075 - 7.53 | ND |
| **Cadmium** | 0.081 - 8.14 | ND |
| **Mercury** | 0.081 - 8.09 | ND |
| **Lead** | 0.081 - 8.08 | ND |

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

## FINAL APPROVAL

Ryan Weems
16-Dec-2020
11:31 AM

PREPARED BY / DATE

Greg Zimpfer
16-Dec-2020
3:21 PM

APPROVED BY / DATE

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# CERTIFICATE OF ANALYSIS

prepared for: BEAK AND SKIFF RESEARCH
*4472 CHERRY VALLEY TPKE*
*LAFAYETTE, NY 13084*

## CBD Balm Restore 2500mg

| | | | |
|---|---|---|---|
| **Batch ID:** | B0002 | **Test ID:** | T000114776 |
| **Type:** | Topical | **Submitted:** | 12/11/2020 @ 10:47 AM |
| **Test:** | Microbial Contaminants | **Started:** | 12/11/2020 |
| **Method:** | TM24, TM25, TM26, TM27, TM28 | **Reported:** | 12/14/2020 |

## 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)*** | None Detected |
| ***Salmonella*** | 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
Coliforms: None Detected

## FINAL APPROVAL

Robert Belfon
14-Dec-2020
1:33 PM
PREPARED BY / DATE

Ben Minton
14-Dec-2020
1:49 PM
APPROVED BY / DATE

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