

Prepared for:

DEFY

4109 E 10th Ave.

Denver, CO United States 80220

DEFY Muscle Balm 2.5oz 1000mg

| Batch ID or Lot Number: 256-001 | Test: | Reported: | USDA License: |
|--|--|------------------------|----------------|
| | Potency | 09Mar2022 | N/A |
| Matrix: | Test ID: | Started: | Sampler ID: |
| Unit | T000195927 | 08Mar2022 | N/A |
| | Method(s): TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC | Received: 03Mar2022 | Status: N/A |

| Cannabinoids | LOD (mg) | LOQ (mg) | Result (mg) | Result (mg/g) |
|--|----------|----------|-------------|---------------|
| Cannabichromene (CBC) | 4.555 | 13.819 | 9.299* | 0.13* |
| Cannabichromenic Acid (CBCA) | 4.167 | 12.640 | ND | ND |
| Cannabidiol (CBD) | 11.436 | 36.452 | 1059.769 | 15.14 |
| Cannabidiolic Acid (CBDA) | 11.729 | 37.387 | ND | ND |
| Cannabidivarin (CBDV) | 2.705 | 8.621 | 7.256* | 0.1* |
| Cannabidivarinic Acid (CBDVA) | 4.893 | 15.596 | ND | ND |
| Cannabigerol (CBG) | 2.586 | 7.846 | ND | ND |
| Cannabigerolic Acid (CBGA) | 10.812 | 32.800 | ND | ND |
| Cannabinol (CBN) | 3.374 | 10.236 | 5.398* | 0.08* |
| Cannabinolic Acid (CBNA) | 7.377 | 22.379 | ND | ND |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 12.881 | 39.077 | ND | ND |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 1.950 | 5.915 | ND | ND |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 1.727 | 5.241 | ND | ND |
| Tetrahydrocannabivarin (THCV) | 2.353 | 7.137 | ND | ND |
| Tetrahydrocannabivarinic Acid (THCVA) | 9.142 | 27.734 | ND | ND |
| Total Cannabinoids | | | 1081.722 | 15.45 |
| Total Potential THC** | | | ND | ND |
| Total Potential CBD** | | | 1059.769 | 15.14 |

Final Approval

PREPARED BY / DATE

Jacob Miller 09Mar2022 02:12:00 PM MST

APPROVED BY / DATE

Ryan Weems 09Mar2022 02:16:00 PM MST



https://results.botanacor.com/api/v1/coas/uuid/3abcb188-f6b4-44ad-8f87-edb8671f466c

Definitions

% = % (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-THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877)).

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.











Cert #4329.02





Prepared for:

DEFY

4109 E 10th Ave.

Denver, CO United States 80220

DEFY Muscle Balm 2.5oz 1000mg

| Batch ID or Lot Number: 256-001 | Test: Microbial Contaminants | Reported: 08Mar2022 | USDA License: N/A | | |
|--|--|----------------------------|----------------------|--|--|
| Matrix: | Test ID: | Started: | Sampler ID: | | |
| Finished Product | T000195930 | 04Mar2022 | N/A | | |
| | Method(s): | Received: | Status: | | |
| | TM25 (qPCR) TM24, TM26, TM27 | 03Mar2022 | N/A | | |
| | (Culture Plating): Microbial (Colorado | | | | |
| | Panel) | | | | |

| Microbial | | | Quantitation | | |
|-----------------------|--------------------------|-------------------------|---|---------------|---|
| Contaminants | Method | LOD | Range | Result | Notes |
| 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 | — Toreign matter |
| 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

Eden Thompson-Wright 07Mar2022 04:10:00 PM MST for open-son

Jackson Osaghae-Nosa 07Mar2022 04:32:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/3ef46c71-58ef-44a0-9b5d-28240d9755f9

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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Cert #4329.02

CDPHE Certified 3ef46c7158ef44a09b5d28240d9755f9.1



Prepared for:

DEFY

4109 E 10th Ave.

Denver, CO United States 80220

DEFY Muscle Balm 2.5oz 1000mg

| Batch ID or Lot Number: 256-001 | Test: | Reported: | USDA License: |
|--|-----------------------|-----------|---------------|
| | Pesticides | 10Mar2022 | NA |
| Matrix: | Test ID: | Started: | Sampler ID: |
| Concentrate | T000195929 | 09Mar2022 | NA |
| | Method(s): | Received: | Status: |
| | TM17 (LC-QQ LC MS/MS) | 03Mar2022 | NA |

| Pesticides Dynamic Range (ppb) | | Result (ppb) |
|--------------------------------|------------|--------------|
| Abamectin | 272 - 2555 | ND |
| Acephate | 38 - 2647 | ND |
| Acetamiprid | 37 - 2674 | ND |
| Azoxystrobin | 43 - 2680 | ND |
| Bifenazate | 40 - 2702 | ND |
| Boscalid | 54 - 2802 | ND |
| Carbaryl | 40 - 2714 | ND |
| Carbofuran | 45 - 2773 | ND |
| Chlorantraniliprole | 64 - 2669 | ND |
| Chlorpyrifos | 38 - 2684 | ND |
| Clofentezine | 271 - 2731 | ND |
| Diazinon | 278 - 2719 | ND |
| Dichlorvos | 278 - 2710 | ND |
| Dimethoate | 40 - 2725 | ND |
| E-Fenpyroximate | 289 - 2690 | ND |
| Etofenprox | 42 - 2695 | ND |
| Etoxazole | 293 - 2711 | ND |
| Fenoxycarb | 41 - 2695 | ND |
| Fipronil | 44 - 2702 | ND |
| Flonicamid | 49 - 2627 | ND |
| Fludioxonil | 285 - 2786 | ND |
| Hexythiazox | 40 - 2692 | ND |
| Imazalil | 254 - 2718 | ND |
| Imidacloprid | 44 - 2757 | ND |
| Kresoxim-methyl | 52 - 2704 | ND |

| | Dynamic Range (ppb) | Result (ppb) |
|-----------------|----------------------------|--------------|
| Malathion | 294 - 2701 | ND |
| Metalaxyl | 42 - 2777 | ND |
| Methiocarb | 41 - 2778 | ND |
| Methomyl | 38 - 2653 | ND |
| MGK 264 1 | 169 - 1632 | ND |
| MGK 264 2 | 114 - 1110 | ND |
| Myclobutanil | 38 - 2749 | ND |
| Naled | 49 - 2759 | ND |
| Oxamyl | 37 - 2664 | ND |
| Paclobutrazol | 40 - 2682 | ND |
| Permethrin | 290 - 2726 | ND |
| Phosmet | 35 - 2691 | ND |
| Prophos | 276 - 2729 | ND |
| Propoxur | 39 - 2737 | ND |
| Pyridaben | 288 - 2670 | ND |
| Spinosad A | 33 - 2243 | ND |
| Spinosad D | 45 - 495 | ND |
| Spiromesifen | 266 - 2680 | ND |
| Spirotetramat | 269 - 2686 | ND |
| Spiroxamine 1 | 11 - 1171 | ND |
| Spiroxamine 2 | 22 - 1530 | ND |
| Tebuconazole | 279 - 2698 | ND |
| Thiacloprid | 41 - 2692 | ND |
| Thiamethoxam | 44 - 2756 | ND |
| Trifloxystrobin | 42 - 2740 | ND |

Final Approval



Sam Smith 10Mar2022 09:06:00 AM MST

APPROVED BY / DATE

Karen Winternheimer 10Mar2022 09:09:00 AM MST



PREPARED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/4260d931-0b5a-472e-a0a0-083d9021debc

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

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.







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Prepared for:

DEFY

4109 E 10th Ave.

Denver, CO United States 80220

DEFY Muscle Balm 2.5oz 1000mg

| Batch ID or Lot Number: 256-001 | Test: Heavy Metals | Reported: 09Mar2022 | USDA License: NA |
|--|------------------------------|----------------------------|---------------------|
| Matrix: | Test ID: | Started: | Sampler ID: |
| Unit Co | T000195931 | 08Mar2022 | NA |
| | Method(s): | Received: | Status: |
| | TM19 (ICP-MS): Heavy Metals | 03Mar2022 | NA |

| ppm) Result (ppm) | Notes |
|-------------------|-------|
| ND | |
| ND | |
| ND | |
| ND | |
| | ND |

Final Approval

Janual Wentersaul

PREPARED BY / DATE

Daniel Weidensaul 09Mar2022 12:29:00 PM MST

APPROVED BY / DATE

Ryan Weems 09Mar2022 12:33:00 PM MST

https://results.botanacor.com/api/v1/coas/uuid/edb10e7b-1d3c-447e-a1c1-0dddabaea76d

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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Cert #4329.02

CDPHE Certified edb10e7b1d3c447ea1c10dddabaea76d.1



Prepared for:

DEFY

4109 E 10th Ave.

Denver, CO United States 80220

DEFY Muscle Balm 2.5oz 1000mg

| Batch ID or Lot Number: 256-001 | Test: | Reported: | USDA License: |
|--|---------------------------------|------------------|---------------|
| | Residual Solvents | 07Mar2022 | N/A |
| Matrix: | Test ID: | Started: | Sampler ID: |
| Topical | T000195932 | 07Mar2022 | N/A |
| | Method(s): | Received: | Status: |
| | TM04 (GC-MS): Residual Solvents | 03Mar2022 | N/A |

| Residual Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 77 - 1536 | ND | |
| Butanes (Isobutane, n-Butane) | 155 - 3103 | ND | |
| Methanol | 58 - 1169 | ND | - |
| Pentane | 83 - 1651 | ND | |
| Ethanol | 82 - 1647 | ND | |
| Acetone | 88 - 1763 | ND | |
| Isopropyl Alcohol | 100 - 2006 | ND | |
| Hexane | 6 - 120 | ND | - |
| Ethyl Acetate | 105 - 2110 | ND | - |
| Benzene | 0.2 - 3.8 | ND | |
| Heptanes | 85 - 1707 | ND | |
| Toluene | 17 - 334 | ND | |
| Xylenes (m,p,o-Xylenes) | 114 - 2286 | ND | |

Final Approval



Hannah Wright 07Mar2022 03:44:00 PM MST

APPROVED BY / DATE

Sam Smith 07Mar2022 03:50:00 PM MST



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Definitions

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Cert #4329.02



Prepared for:

DEFY

4109 E 10th Ave.

Denver, CO United States 80220

DEFY Muscle Balm 2.5oz 1000mg

| Batch ID or Lot Number: 256-001 | Test: Mycotoxins | Reported: 09Mar2022 | USDA License: N/A |
|--|---|----------------------------|----------------------|
| Matrix: | Test ID: | Started: | Sampler ID: |
| Concentrate | T000195933 | 08Mar2022 | N/A |
| | Method(s): | Received: | Status: |
| | TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins | 03Mar2022 | N/A |

| Dynamic Range (ppb) | Result (ppb) | Notes |
|----------------------------|--|---|
| 1.68 - 138.35 | ND | N/A |
| 1.02 - 35.36 | ND | |
| 1.09 - 34.99 | ND | |
| 1.06 - 34.83 | ND | |
| 1.29 - 34.40 | ND | |
| and G2) | ND | |
| | 1.02 - 35.36 1.09 - 34.99 1.06 - 34.83 1.29 - 34.40 | 1.02 - 35.36 ND 1.09 - 34.99 ND 1.06 - 34.83 ND 1.29 - 34.40 ND |

Final Approval

Sam Smith 09Mar2022 11:25:00 AM MST

PREPARED BY / DATE

APPROVED BY / DATE

Ryan Weems 09Mar2022 11:28:00 AM MST



https://results.botanacor.com/api/v1/coas/uuid/07e079de-15ae-46ca-84b2-619d6ea45ff1

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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