

Prepared for:

### Muscle Relief Cooling Cream1, 1000mg

### ASPEN GREEN

|   |                         |                             |   |
|---|-------------------------|-----------------------------|---|
| Batch ID or Lot Number:<br><b>220323A</b> | Test:<br><b>Potency</b> | Reported:<br><b>3/29/22</b> | Location:<br>26 AVONDALE LANE #216B<br>BEAVER CREEK, CO 81620 |
|---|-------------------------|-----------------------------|---|

|                 |                        |                     |                      |
|-----------------|------------------------|---------------------|----------------------|
| Matrix:<br>Unit | Test ID:<br>T000199843 | Started:<br>3/28/22 | USDA License:<br>N/A |
|-----------------|------------------------|---------------------|----------------------|

|                |  |                                    |                    |
|----------------|--|------------------------------------|--------------------|
| Status:<br>N/A | Method:<br>TM14 (HPLC-DAD): Potency -<br>Standard Cannabinoid Analysis | Received:<br>03/25/2022 @ 01:40 PM | Sampler ID:<br>N/A |
|----------------|--|------------------------------------|--------------------|

## CANNABINOID PROFILE

| Compound                                     | LOD (mg) | LOQ (mg) | Result (mg)     | Result (mg/g) | Notes                                  |
|--|----------|----------|-----------------|---------------|--|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 10.595   | 23.239   | ND              | ND            | # of Servings = 1<br>Sample Weight=52g |
| Delta 9-Tetrahydrocannabinol (Delta 9THC)    | 11.959   | 26.229   | 39.341          | 0.76          |  |
| Cannabidiolic acid (CBDA)                    | 11.782   | 28.859   | ND              | ND            |  |
| Cannabidiol (CBD)                            | 11.487   | 28.137   | 1262.367        | 24.28         |  |
| Delta 8-Tetrahydrocannabinol (Delta 8THC)    | 13.168   | 28.881   | ND              | ND            |  |
| Cannabinolic Acid (CBNA)                     | 7.541    | 16.539   | ND              | ND            |  |
| Cannabinol (CBN)                             | 3.449    | 7.565    | ND              | ND            |  |
| Cannabigerolic acid (CBGA)                   | 11.053   | 24.242   | ND              | ND            |  |
| Cannabigerol (CBG)                           | 2.644    | 5.799    | 20.939          | 0.40          |  |
| Tetrahydrocannabivarinic Acid (THCVA)        | 9.346    | 20.498   | ND              | ND            |  |
| Tetrahydrocannabivarin (THCV)                | 2.405    | 5.275    | ND              | ND            |  |
| Cannabidivarinic Acid (CBDVA)                | 4.915    | 12.039   | ND              | ND            |  |
| Cannabidivarin (CBDV)                        | 2.717    | 6.655    | 4.813*          | 0.09*         |  |
| Cannabichromenic Acid (CBCA)                 | 4.259    | 9.342    | ND              | ND            |  |
| Cannabichromene (CBC)                        | 4.657    | 10.214   | 48.743          | 0.94          |  |
| <b>Total Cannabinoids</b>                    |          |          | <b>1376.203</b> | <b>26.47</b>  |  |
| Total Potential THC**                        |          |          | 39.341          | 0.76          |  |
| Total Potential CBD**                        |          |          | 1262.367        | 24.28         |  |

 Jacob Miller  
29-Mar-22  
4:20 PM

 Ryan Weems  
29-Mar-22  
4:27 PM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

\*\* 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))

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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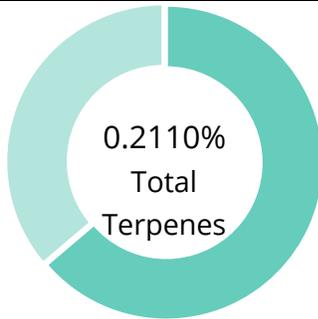
CDPHE Certified



Certificate #4329.02

**Muscle Relief Cooling Cream1, 1000mg**

|                  |              |                   |                       |
|------------------|--------------|-------------------|-----------------------|
| <b>Batch ID:</b> | 220323A      | <b>Test ID:</b>   | T000199844            |
| <b>Type:</b>     | Topical      | <b>Submitted:</b> | 03/25/2022 @ 01:40 PM |
| <b>Test:</b>     | Terpenes     | <b>Started:</b>   | 3/31/2022             |
| <b>Method:</b>   | TM22 (GC-MS) | <b>Reported:</b>  | 4/1/2022              |

**TERPENE PROFILE**


| Compound                | %(w/w)        | mg/g         |
|-------------------------|---------------|--------------|
| (-)-alpha-Bisabolol     | 0.0000        | 0.000        |
| Camphene                | 0.0000        | 0.000        |
| delta-3-Carene          | 0.0000        | 0.000        |
| beta-Caryophyllene      | 0.0276        | 0.276        |
| (-)-Caryophyllene Oxide | 0.0000        | 0.000        |
| p-Cymene                | 0.0000        | 0.000        |
| Eucalyptol              | 0.0154        | 0.154        |
| Geraniol                | 0.0000        | 0.000        |
| alpha-Humulene          | 0.0000        | 0.000        |
| (-)-Isopulegol          | 0.0000        | 0.000        |
| d-Limonene              | 0.0000        | 0.000        |
| Linalool                | 0.0000        | 0.000        |
| beta-Myrcene            | 0.0000        | 0.000        |
| cis-Nerolidol           | 0.0000        | 0.000        |
| trans-Nerolidol         | 0.0000        | 0.000        |
| Ocimene                 | 0.0000        | 0.000        |
| beta-Ocimene            | 0.0000        | 0.000        |
| alpha-Pinene            | 0.0000        | 0.000        |
| (-)-beta-Pinene         | 0.0000        | 0.000        |
| alpha-Terpinene         | 0.0486        | 0.486        |
| gamma-Terpinene         | 0.1029        | 1.029        |
| Terpinolene             | 0.0165        | 0.165        |
|                         | <b>0.2110</b> | <b>2.110</b> |

**PREDOMINANT TERPENES**

|                     |        |
|---------------------|--------|
| alpha-Pinene        | 0.0000 |
| (-)-beta-Pinene     | 0.0000 |
| beta-Myrcene        | 0.0000 |
| delta-3-Carene      | 0.0000 |
| alpha-Terpinene     | 0.0486 |
| d-Limonene          | 0.0000 |
| Linalool            | 0.0000 |
| beta-Caryophyllene  | 0.0276 |
| alpha-Humulene      | 0.0000 |
| (-)-alpha-Bisabolol | 0.0000 |

## NOTES:

N/A

**FINAL APPROVAL**

 Daniel Weidensaul  
 1-Apr-2022  
 12:26 PM


 Jacob Miller  
 1-Apr-2022  
 12:29 PM

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Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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 Certificate Number 4329.02



Certificate #4329.02

Prepared for:

**Muscle Relief Cooling Cream1, 1000mg**
**ASPEN GREEN**

|   |                                   |                                    |   |
|---|-----------------------------------|------------------------------------|---|
| Batch ID or Lot Number:<br><b>220323A</b> | Test:<br><b>Pesticides</b>        | Reported:<br><b>3/30/22</b>        | Location:<br>26 AVONDALE LANE #216B<br>BEAVER CREEK, CO 81620 |
| Matrix:<br>Concentrate                    | Test ID:<br>t000199845            | Started:<br>3/29/22                | USDA License:<br>N/A  |
| Status:<br>N/A                            | Method:<br>TM17(LC-QQQ LC MS/MS): | Received:<br>03/25/2022 @ 01:40 PM | Sampler ID:<br>N/A  |

**PESTICIDE DETERMINATION**

| Compound            | LOQ (ppb) | Result (ppb) | Compound        | LOQ (ppb) | Result (ppb) | Compound        | LOQ (ppb) | Result (ppb) |
|---------------------|-----------|--------------|-----------------|-----------|--------------|-----------------|-----------|--------------|
| Acephate            | 37        | ND           | Fenoxycarb      | 41        | ND           | Paclobutrazol   | 48        | ND           |
| Acetamiprid         | 38        | ND           | Fipronil        | 11        | ND           | Permethrin      | 325       | ND           |
| Avermectin          | 333       | ND           | Flonicamid      | 57        | ND           | Phosmet         | 39        | ND           |
| Azoxystrobin        | 25        | ND           | Fludioxonil     | 308       | ND           | Prophos         | 290       | ND           |
| Bifenazate          | 34        | ND           | Hexythiazox     | 31        | ND           | Propoxur        | 41        | ND           |
| Boscalid            | 22        | ND           | Imazalil        | 284       | ND           | Pyridaben       | 321       | ND           |
| Carbaryl            | 36        | ND           | Imidacloprid    | 39        | ND           | Spinosad A      | 31        | ND           |
| Carbofuran          | 36        | ND           | Kresoxim-methyl | 150       | ND           | Spinosad D      | 50        | ND           |
| Chlorantraniliprole | 12        | ND           | Malathion       | 290       | ND           | Spiromesifen    | 315       | ND           |
| Chlorpyrifos        | 500       | ND           | Metalaxyl       | 39        | ND           | Spirotetramat   | 289       | ND           |
| Clofentezine        | 270       | ND           | Methiocarb      | 33        | ND           | Spiroxamine 1   | 14        | ND           |
| Diazinon            | 286       | ND           | Methomyl        | 39        | ND           | Spiroxamine 2   | 16        | ND           |
| Dichlorvos          | 290       | ND           | MGK 264 1       | 191       | ND           | Tebuconazole    | 272       | ND           |
| Dimethoate          | 34        | ND           | MGK 264 2       | 127       | ND           | Thiacloprid     | 36        | ND           |
| E-Fenpyroximate     | 329       | ND           | Myclobutanil    | 46        | ND           | Thiamethoxam    | 43        | ND           |
| Etofenprox          | 34        | ND           | Naled           | 47        | ND           | Trifloxystrobin | 34        | ND           |
| Etoxazole           | 330       | ND           | Oxamyl          | 1500      | ND           |                 |           |              |

  
 Sam Smith  
 3/30/2022  
 12:00:00 PM

  
 Daniel Weidensaul  
 3/30/2022  
 12:03:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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**ASPEN GREEN**

|   |  |                                    |   |
|---|--|------------------------------------|---|
| Batch ID or Lot Number:<br><b>220323A</b> | Test:<br><b>Metals</b>                 | Reported:<br><b>3/30/22</b>        | Location:<br>26 AVONDALE LANE #216B<br>BEAVER CREEK, CO 81620 |
| Matrix:<br>Unit Co                        | Test ID:<br>T000199847                 | Started:<br>3/29/22                | USDA License:<br>N/A  |
| Status:<br>N/A                            | Method:<br>TM19 (ICP-MS): Heavy Metals | Received:<br>03/25/2022 @ 01:40 PM | Sampler ID:<br>N/A  |

**HEAVY METALS DETERMINATION**

| Compound | Dynamic Range (ppm) | Result (ppm) | Notes |
|----------|---------------------|--------------|-------|
| Arsenic  | 0.042 - 4.19        | ND           |       |
| Cadmium  | 0.042 - 4.17        | ND           |       |
| Mercury  | 0.041 - 4.14        | ND           |       |
| Lead     | 0.042 - 4.16        | ND           |       |



 Ryan Weems  
30-Mar-22  
12:18 PM



 Daniel Weidensaul  
30-Mar-22  
12:21 PM

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APPROVED BY / DATE

**Definitions**

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

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**ASPEN GREEN**

|   |  |                                    |   |
|---|--|------------------------------------|---|
| Batch ID or Lot Number:<br><b>220323A</b> | Test:<br><b>Microbial Contaminants</b>                                     | Reported:<br><b>3/31/22</b>        | Location:<br>26 AVONDALE LANE #216B<br>BEAVER CREEK, CO 81620 |
| Matrix:<br>Finished Product               | Test ID:<br>T000199846   | Started:<br>3/28/22                | USDA License:<br>N/A  |
| Status:<br>N/A                            | Methods:<br>TM25 (qPCR)<br>TM24, TM26, TM27(Culture Plating):<br>Microbial | Received:<br>03/25/2022 @ 01:40 PM | Sampler ID:<br>N/A  |

**MICROBIAL CONTAMINANTS DETERMINATION**

| Contaminant                  | Method                 | LOD                      | LLOQ                  | ULOQ                      | Result        | Notes   |
|------------------------------|------------------------|--------------------------|-----------------------|---------------------------|---------------|---|
| <b>Total Aerobic Count*</b>  | TM-26, Culture Plating | 10 <sup>2</sup> CFU/g    | 10 <sup>3</sup> CFU/g | 1.5x10 <sup>5</sup> CFU/g | None Detected | Free from visual mold, mildew, and foreign matter |
| <b>Total Coliforms*</b>      | TM-27, Culture Plating | 10 <sup>1</sup> CFU/g    | 10 <sup>2</sup> CFU/g | 1.5x10 <sup>4</sup> CFU/g | None Detected |   |
| <b>Total Yeast and Mold*</b> | TM-24, Culture Plating | 10 <sup>1</sup> CFU/g    | 10 <sup>2</sup> CFU/g | 1.5x10 <sup>4</sup> CFU/g | None Detected |   |
| <b>STEC</b>                  | TM-25, PCR             | 10 <sup>0</sup> CFU/25 g | NA                    | NA                        | Absent        |   |
| <b>Salmonella</b>            | TM-25, PCR             | 10 <sup>0</sup> CFU/25 g | NA                    | NA                        | Absent        |   |

  
 Jackson Osaghae-Nosa  
 3/31/2022  
 9:59:00 AM

  
 Eden Thompson-Wright  
 3/31/2022  
 2:22:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

**Definitions**

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

\* 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<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU

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**ASPEN GREEN**

|   |                                   |                             |   |
|---|-----------------------------------|-----------------------------|---|
| Batch ID or Lot Number:<br><b>220323A</b> | Test:<br><b>Residual Solvents</b> | Reported:<br><b>3/30/22</b> | Location:<br>26 AVONDALE LANE #216B<br>BEAVER CREEK, CO 81620 |
|---|-----------------------------------|-----------------------------|---|

|                |                        |                     |                      |
|----------------|------------------------|---------------------|----------------------|
| Matrix:<br>N/A | Test ID:<br>T000199848 | Started:<br>3/30/22 | USDA License:<br>N/A |
|----------------|------------------------|---------------------|----------------------|

|                |   |                                    |                    |
|----------------|---|------------------------------------|--------------------|
| Status:<br>N/A | Methods:<br>TM04 (GC-MS): Residual Solvents | Received:<br>03/25/2022 @ 01:40 PM | Sampler ID:<br>N/A |
|----------------|---|------------------------------------|--------------------|

**RESIDUAL SOLVENTS DETERMINATION**

| Solvent                                 | Dynamic Range (ppm) | Result (ppm) | Notes |
|---|---------------------|--------------|-------|
| <b>Propane</b>                          | 68 - 1356           | *ND          |       |
| <b>Butanes</b><br>(Isobutane, n-Butane) | 139 - 2775          | *ND          |       |
| <b>Methanol</b>                         | 49 - 988            | *ND          |       |
| <b>Pentane</b>                          | 75 - 1500           | *ND          |       |
| <b>Ethanol</b>                          | 79 - 1584           | *ND          |       |
| <b>Acetone</b>                          | 81 - 1624           | *ND          |       |
| <b>Isopropyl Alcohol</b>                | 84 - 1680           | *ND          |       |
| <b>Hexane</b>                           | 5 - 102             | *ND          |       |
| <b>Ethyl Acetate</b>                    | 84 - 1671           | *ND          |       |
| <b>Benzene</b>                          | 0.2 - 3.4           | *ND          |       |
| <b>Heptanes</b>                         | 82 - 1644           | *ND          |       |
| <b>Toluene</b>                          | 15 - 305            | *ND          |       |
| <b>Xylenes</b><br>(m,p,o-Xylenes)       | 110 - 2202          | *ND          |       |



 Hannah Wright  
30-Mar-22  
5:03 PM



 Daniel Weidensaul  
30-Mar-22  
5:05 PM

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### ASPEN GREEN

|   |  |                                    |   |
|---|--|------------------------------------|---|
| Batch ID or Lot Number:<br><b>220323A</b> | Test:<br><b>Mycotoxins</b>                         | Reported:<br><b>3/31/22</b>        | Location:<br>26 AVONDALE LANE #216B<br>BEAVER CREEK, CO 81620 |
| Matrix:<br>Concentrate                    | Test ID:<br>T000199849                             | Started:<br>3/30/22                | USDA License:<br>N/A  |
| Status:<br>N/A                            | Method:<br>TM18 (UHPLC-QQQ LCMS/MS):<br>Mycotoxins | Received:<br>03/25/2022 @ 01:40 PM | Sampler ID:<br>N/A  |

### MYCOTOXIN DETERMINATION

| Compound                                     | Dynamic Range (ppb) | Result (ppb) | Notes |
|--|---------------------|--------------|-------|
| Ochratoxin A                                 | 2.7 - 133.6         | ND           | N/A   |
| Aflatoxin B1                                 | 1 - 33.7            | ND           |       |
| Aflatoxin B2                                 | 1.1 - 34.2          | ND           |       |
| Aflatoxin G1                                 | 1.2 - 32.8          | ND           |       |
| Aflatoxin G2                                 | 1.2 - 32.4          | ND           |       |
| <b>Total Aflatoxins (B1, B2, G1, and G2)</b> |                     | ND           |       |

  
 Sam Smith  
 31-Mar-22  
 10:15 AM

PREPARED BY / DATE

  
 Ryan Weems  
 31-Mar-22  
 10:17 AM

APPROVED BY / DATE

### Definitions

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