

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207

## LB-O-60372

|  |   |                               |                      |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number:<br><b>AG-2303-2C</b> | Test:<br><b>Potency</b>   | Reported:<br><b>09Mar2023</b> | USDA License:<br>N/A |
| Matrix:<br>Unit                              | Test ID:<br>T000237489  | Started:<br>08Mar2023         | Sampler ID:<br>N/A   |
|  | Method(s):<br>TM14 (HPLC-DAD): Potency –<br>Standard Cannabinoid Analysis | Received:<br>03Mar2023        | Status:<br>Active    |

## Cannabinoids

|  | LOD (mg) | LOQ (mg) | Result (mg)     | Result (mg/g) | Notes                                       |
|--|----------|----------|-----------------|---------------|---|
| Cannabichromene (CBC)                        | 2.040    | 5.943    | 75.194          | 2.65          | # of Servings = 1<br>Sample<br>Weight=28.4g |
| Cannabichromenic Acid (CBCA)                 | 1.865    | 5.436    | ND              | ND            |   |
| Cannabidiol (CBD)                            | 5.831    | 16.783   | 2146.134        | 75.57         |   |
| Cannabidiolic Acid (CBDA)                    | 5.980    | 17.213   | 59.219          | 2.09          |   |
| Cannabidivarin (CBDV)                        | 1.379    | 3.969    | 4.212           | 0.15          |   |
| Cannabidivarinic Acid (CBDVA)                | 2.495    | 7.181    | ND              | ND            |   |
| Cannabigerol (CBG)                           | 1.158    | 3.375    | ND              | ND            |   |
| Cannabigerolic Acid (CBGA)                   | 4.841    | 14.107   | ND              | ND            |   |
| Cannabinol (CBN)                             | 1.511    | 4.402    | <LOQ            | <LOQ          |   |
| Cannabinolic Acid (CBNA)                     | 3.303    | 9.625    | ND              | ND            |   |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC)   | 5.767    | 16.806   | ND              | ND            |   |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC)   | 5.238    | 15.263   | 81.303          | 2.86          |   |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 4.640    | 13.523   | ND              | ND            |   |
| Tetrahydrocannabivarin (THCV)                | 1.053    | 3.069    | ND              | ND            |   |
| Tetrahydrocannabivarinic Acid (THCVA)        | 4.093    | 11.928   | ND              | ND            |   |
| <b>Total Cannabinoids</b>                    |          |          | <b>2366.062</b> | <b>83.32</b>  |   |
| Total Potential THC                          |          |          | 81.303          | 2.86          |   |
| Total Potential CBD                          |          |          | 2198.069        | 77.40         |   |

## Final Approval



Karen Winternheimer  
09Mar2023  
12:05:00 PM MST

PREPARED BY / DATE



Sam Smith  
09Mar2023  
12:07:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/52f292db-373c-4e4a-8632-83ace8a87706>

### 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-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDA \*(0.877)).

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Cert #4329.02

CDPHE Certified

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Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207


## LB-O-60372

|  |                                     |                               |                     |
|--|-------------------------------------|-------------------------------|---------------------|
| Batch ID or Lot Number:<br><b>AG-2303-2C</b> | Test:<br><b>Pesticides</b>          | Reported:<br><b>08Mar2023</b> | USDA License:<br>NA |
| Matrix:<br>Concentrate                       | Test ID:<br>T000237490              | Started:<br>07Mar2023         | Sampler ID:<br>NA   |
|  | Method(s):<br>TM17 (LC-QQ LC MS/MS) | Received:<br>03Mar2023        | Status:<br>NA       |

### Pesticides

| Pesticides          | Dynamic Range (ppb) | Result (ppb) | Pesticides      | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|-----------------|---------------------|--------------|
| Abamectin           | 274 - 2735          | ND           | Malathion       | 291 - 2753          | ND           |
| Acephate            | 42 - 2843           | ND           | Metalaxyl       | 42 - 2734           | ND           |
| Acetamiprid         | 43 - 2741           | ND           | Methiocarb      | 42 - 2774           | ND           |
| Azoxystrobin        | 46 - 2739           | ND           | Methomyl        | 39 - 2755           | ND           |
| Bifenazate          | 40 - 2717           | ND           | MGK 264 1       | 165 - 1610          | ND           |
| Boscalid            | 41 - 2786           | ND           | MGK 264 2       | 114 - 1142          | ND           |
| Carbaryl            | 40 - 2732           | ND           | Myclobutanil    | 34 - 2832           | ND           |
| Carbofuran          | 43 - 2708           | ND           | Naled           | 48 - 2780           | ND           |
| Chlorantraniliprole | 45 - 2756           | ND           | Oxamyl          | 40 - 2760           | ND           |
| Chlorpyrifos        | 47 - 2688           | ND           | Pacllobutrazol  | 46 - 2691           | ND           |
| Clofentezine        | 284 - 2721          | ND           | Permethrin      | 284 - 2754          | ND           |
| Diazinon            | 271 - 2740          | ND           | Phosmet         | 38 - 2721           | ND           |
| Dichlorvos          | 276 - 2772          | ND           | Prophos         | 291 - 2792          | ND           |
| Dimethoate          | 41 - 2741           | ND           | Propoxur        | 42 - 2716           | ND           |
| E-Fenpyroximate     | 295 - 2714          | ND           | Pyridaben       | 295 - 2740          | ND           |
| Etofenprox          | 38 - 2762           | ND           | Spinosad A      | 34 - 2233           | ND           |
| Etoxazole           | 292 - 2691          | ND           | Spinosad D      | 47 - 490            | ND           |
| Fenoxycarb          | 47 - 2745           | ND           | Spiromesifen    | 267 - 2738          | ND           |
| Fipronil            | 56 - 2744           | ND           | Spirotetramat   | 285 - 2753          | ND           |
| Flonicamid          | 45 - 2756           | ND           | Spiroxamine 1   | 18 - 1195           | ND           |
| Fludioxonil         | 320 - 2783          | ND           | Spiroxamine 2   | 24 - 1567           | ND           |
| Hexythiazox         | 47 - 2702           | ND           | Tebuconazole    | 289 - 2722          | ND           |
| Imazalil            | 271 - 2769          | ND           | Thiacloprid     | 41 - 2735           | ND           |
| Imidacloprid        | 44 - 2726           | ND           | Thiamethoxam    | 40 - 2743           | ND           |
| Kresoxim-methyl     | 42 - 2760           | ND           | Trifloxystrobin | 44 - 2743           | ND           |

### Final Approval



Sam Smith  
08Mar2023  
08:24:00 AM MST

PREPARED BY / DATE



Karen Winternheimer  
08Mar2023  
08:29:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/03be7b8c-3732-4b93-8c24-bdcae079d75e>

#### 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 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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03be7b8c37324b938c24bdcae079d75e.1

# CERTIFICATE OF ANALYSIS

Prepared for:  
**Aspen Green**

3700 Quebec St  
Denver, CO USA 80207

## LB-O-60372

|  |   |                               |                     |
|--|---|-------------------------------|---------------------|
| Batch ID or Lot Number:<br><b>AG-2303-2C</b> | Test:<br><b>Heavy Metals</b>              | Reported:<br><b>09Mar2023</b> | USDA License:<br>NA |
| Matrix:<br>Unit Co                           | Test ID:<br>T000237492                    | Started:<br>08Mar2023         | Sampler ID:<br>NA   |
|  | Method(s):<br>TM19 (ICP-MS): Heavy Metals | Received:<br>03Mar2023        | Status:<br>NA       |

| Heavy Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|--------------|---------------------|--------------|-------|
| Arsenic      | 0.04 - 4.21         | ND           |       |
| Cadmium      | 0.04 - 4.38         | ND           |       |
| Mercury      | 0.04 - 4.37         | ND           |       |
| Lead         | 0.04 - 4.42         | ND           |       |

## Final Approval

  
Sam Smith  
09Mar2023  
09:56:00 AM MST

PREPARED BY / DATE

  
Karen Winternheimer  
09Mar2023  
10:09:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/cad77cbe-227c-4444-b635-0dab868d6c82>

### Definitions

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3700 Quebec St  
Denver, CO USA 80207

## LB-O-60372

|   |   |                            |                   |
|---|---|----------------------------|-------------------|
| Batch ID or Lot Number: <b>AG-2303-2C</b> | Test: <b>Microbial Contaminants</b>   | Reported: <b>09Mar2023</b> | USDA License: N/A |
| Matrix: Finished Product                  | Test ID: T000237491   | Started: 02Mar2023         | Sampler ID: N/A   |
|   | Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel) | Received: 03Mar2023        | Status: Active    |

## Microbial Contaminants

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

## Final Approval



Brett Hudson  
09Mar2023  
03:48:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright  
09Mar2023  
04:15:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ae1e617c-61c4-481f-9bf3-7c2a7014590e>

### 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: 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  
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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Denver, CO USA 80207

## LB-O-60372

|  |   |                               |                      |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number:<br><b>AG-2303-2C</b> | Test:<br><b>Residual Solvents</b>             | Reported:<br><b>09Mar2023</b> | USDA License:<br>N/A |
| Matrix:<br>Concentrate                       | Test ID:<br>T000237493                        | Started:<br>08Mar2023         | Sampler ID:<br>N/A   |
|  | Method(s):<br>TM04 (GC-MS): Residual Solvents | Received:<br>03Mar2023        | Status:<br>Active    |

| Residual Solvents             | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane                       | 96 - 1923           | ND           |       |
| Butanes (Isobutane, n-Butane) | 199 - 3979          | ND           |       |
| Methanol                      | 59 - 1177           | ND           |       |
| Pentane                       | 98 - 1963           | ND           |       |
| Ethanol                       | 100 - 2010          | ND           |       |
| Acetone                       | 98 - 1957           | ND           |       |
| Isopropyl Alcohol             | 100 - 2005          | ND           |       |
| Hexane                        | 6 - 117             | ND           |       |
| Ethyl Acetate                 | 97 - 1939           | ND           |       |
| Benzene                       | 0.2 - 3.8           | ND           |       |
| Heptanes                      | 96 - 1922           | ND           |       |
| Toluene                       | 18 - 350            | ND           |       |
| Xylenes (m,p,o-Xylenes)       | 127 - 2545          | ND           |       |

## Final Approval



Karen Winternheimer  
09Mar2023  
12:38:00 PM MST

PREPARED BY / DATE



Sam Smith  
09Mar2023  
12:40:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/81196660-f9ab-41bd-b3c9-886978eb935b>

### Definitions

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

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**Aspen Green**


3700 Quebec St  
Denver, CO USA 80207

## LB-O-60372

|  |   |                               |                      |
|--|---|-------------------------------|----------------------|
| Batch ID or Lot Number:<br><b>AG-2303-2C</b> | Test:<br><b>Mycotoxins</b>                            | Reported:<br><b>09Mar2023</b> | USDA License:<br>N/A |
| Matrix:<br>Concentrate                       | Test ID:<br>T000237494                                | Started:<br>08Mar2023         | Sampler ID:<br>N/A   |
|  | Method(s):<br>TM18 (UHPLC-QQQ LCMS/MS):<br>Mycotoxins | Received:<br>03Mar2023        | Status:<br>Active    |

| Mycotoxins                            | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|---------------------|--------------|-------|
| Ochratoxin A                          | 2.26 - 132.74       | ND           | N/A   |
| Aflatoxin B1                          | 0.95 - 32.98        | ND           |       |
| Aflatoxin B2                          | 0.92 - 32.66        | ND           |       |
| Aflatoxin G1                          | 0.92 - 33.33        | ND           |       |
| Aflatoxin G2                          | 2.13 - 33.17        | ND           |       |
| Total Aflatoxins (B1, B2, G1, and G2) |                     | ND           |       |

## Final Approval



Sam Smith  
09Mar2023  
07:45:00 AM MST

PREPARED BY / DATE



Karen Winternheimer  
09Mar2023  
07:48:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a1d55749-6ae4-4b70-9eb2-7f47db35f3cf>

### Definitions

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