

Broad Spectrum CBG Extract

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|---|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number: 0030_210618 | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 1 of 6 |
| Reported: 25Apr2022 | Started: 22Apr2022 | Received: 21Apr2022 | |

**Microbial
Contaminants**

Test ID: T000204206

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 |
| <i>Salmonella</i> | 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
Eden Thompson-Wright
25Apr2022
04:18:00 PM MDT
PREPARED BY / DATE
Brianne Maillot
25Apr2022
04:20:00 PM MDT
APPROVED BY / DATE

Broad Spectrum CBG Extract


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Residual Solvents

Test ID: T000204208


Methods: TM04 (GC-MS): Residual

| Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 97 - 1941 | ND | |
| Butanes (Isobutane, n-Butane) | 194 - 3874 | ND | |
| Methanol | 61 - 1230 | ND | |
| Pentane | 100 - 1992 | ND | |
| Ethanol | 95 - 1895 | ND | |
| Acetone | 102 - 2032 | ND | |
| Isopropyl Alcohol | 102 - 2031 | ND | |
| Hexane | 6 - 127 | ND | |
| Ethyl Acetate | 101 - 2015 | ND | |
| Benzene | 0.2 - 3.9 | ND | |
| Heptanes | 93 - 1869 | ND | |
| Toluene | 18 - 354 | ND | |
| Xylenes (m,p,o-Xylenes) | 124 - 2477 | ND | |

Final Approval

Jacob Miller
25Apr2022
03:40:00 PM MDT

PREPARED BY / DATE



Ryan Weems
25Apr2022
03:54:00 PM MDT

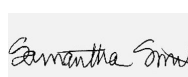
APPROVED BY / DATE

Heavy Metals

Test ID: T000204207


Methods: TM19 (ICP-MS): Heavy

| Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.05 - 4.51 | ND | |
| Cadmium | 0.04 - 4.41 | ND | |
| Mercury | 0.04 - 4.44 | ND | |
| Lead | 0.04 - 4.27 | ND | |

Final Approval

Sam Smith
26Apr2022
03:45:00 PM MDT

PREPARED BY / DATE



Daniel Weidensaul
26Apr2022
03:48:00 PM MDT

APPROVED BY / DATE

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Cannabinoids


Test ID: T000204204

Methods: TM14 (HPLC-DAD): Potency - Broad
Spectrum Analysis, 0.01% THC

| | LOD (%) | LOQ (%) | Result (%) | Result (mg/g) | Notes |
|--|---------|---------|---------------|---------------|-------|
| Cannabichromene (CBC) | 0.430 | 0.897 | ND | ND | |
| Cannabichromenic Acid (CBCA) | 0.393 | 0.821 | ND | ND | |
| Cannabidiol (CBD) | 1.372 | 2.416 | 5.966 | 59.66 | |
| Cannabidiolic Acid (CBDA) | 1.407 | 2.478 | ND | ND | |
| Cannabidivarin (CBDV) | 0.324 | 0.571 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 0.587 | 1.034 | ND | ND | |
| Cannabigerol (CBG) | 0.244 | 0.510 | 79.323 | 793.23 | |
| Cannabigerolic Acid (CBGA) | 1.021 | 2.130 | ND | ND | |
| Cannabinol (CBN) | 0.319 | 0.665 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.696 | 1.453 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 1.216 | 2.538 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.004 | 0.009 | 0.023 | 0.23 | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.004 | 0.008 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.222 | 0.463 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.863 | 1.801 | ND | ND | |
| Total Cannabinoids | | | 85.312 | 853.12 | |
| Total Potential THC | | | 0.023 | 0.23 | |
| Total Potential CBD | | | 5.966 | 59.66 | |

Final Approval

Ryan Weems
27Apr2022
11:16:00 AM MDT

PREPARED BY / DATE

Daniel Weidensaul
27Apr2022
11:18:00 AM MDT

APPROVED BY / DATE

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Mycotoxins

Test ID: T000204209

Methods: TM18 (UHPLC-QQQ)

LCMS/MS: Mycotoxins

| | Dynamic Range (ppb) | Result (ppb) | Notes |
|---------------------------------------|---------------------|--------------|-------|
| Ochratoxin A | 2.26 - 128.71 | ND | N/A |
| Aflatoxin B1 | 1.05 - 34.47 | ND | |
| Aflatoxin B2 | 1.15 - 33.79 | ND | |
| Aflatoxin G1 | 1.05 - 34.02 | ND | |
| Aflatoxin G2 | 1.12 - 33.43 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |

Final Approval

Sam Smith
28Apr2022
10:35:00 AM MDT

PREPARED BY / DATE

Ryan Weems
28Apr2022
10:37:00 AM MDT

APPROVED BY / DATE

Broad Spectrum CBG Extract

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Pesticides

Test ID: T000204205

Methods: TM17

| (LC-QQ LC MS/MS) | Dynamic Range (ppb) | Result (ppb) | | Dynamic Range (ppb) | Result (ppb) | |
|---------------------|---------------------|--------------|--|---------------------|--------------|----|
| Abamectin | 285 - 2628 | ND | | Malathion | 282 - 2708 | ND |
| Acephate | 38 - 2770 | ND | | Metalaxyl | 45 - 2675 | ND |
| Acetamiprid | 39 - 2819 | ND | | Methiocarb | 42 - 2677 | ND |
| Azoxystrobin | 46 - 2530 | ND | | Methomyl | 40 - 2841 | ND |
| Bifenazate | 48 - 2573 | ND | | MGK 264 1 | 173 - 1600 | ND |
| Boscalid | 47 - 2600 | ND | | MGK 264 2 | 109 - 1113 | ND |
| Carbaryl | 42 - 2744 | ND | | Myclobutanil | 15 - 2793 | ND |
| Carbofuran | 45 - 2678 | ND | | Naled | 53 - 2738 | ND |
| Chlorantraniliprole | 61 - 2572 | ND | | Oxamyl | 38 - 2874 | ND |
| Chlorpyrifos | 48 - 2876 | ND | | Paclobutrazol | 42 - 2774 | ND |
| Clofentezine | 246 - 2796 | ND | | Permethrin | 300 - 2836 | ND |
| Diazinon | 294 - 2647 | ND | | Phosmet | 44 - 2680 | ND |
| Dichlorvos | 279 - 2796 | ND | | Prophos | 285 - 2734 | ND |
| Dimethoate | 41 - 2757 | ND | | Propoxur | 42 - 2745 | ND |
| E-Fenpyroximate | 296 - 2610 | ND | | Pyridaben | 291 - 2779 | ND |
| Etofenprox | 41 - 2786 | ND | | Spinosad A | 35 - 2261 | ND |
| Etoxazole | 301 - 2740 | ND | | Spinosad D | 48 - 509 | ND |
| Fenoxycarb | 33 - 2712 | ND | | Spiromesifen | 316 - 2783 | ND |
| Fipronil | 32 - 2578 | ND | | Spirotetramat | 248 - 2558 | ND |
| Flonicamid | 48 - 2811 | ND | | Spiroxamine 1 | 19 - 1170 | ND |
| Fludioxonil | 297 - 2676 | ND | | Spiroxamine 2 | 26 - 1553 | ND |
| Hexythiazox | 44 - 2697 | ND | | Tebuconazole | 275 - 2750 | ND |
| Imazalil | 300 - 2740 | ND | | Thiacloprid | 42 - 2777 | ND |
| Imidacloprid | 40 - 2795 | ND | | Thiamethoxam | 40 - 2739 | ND |
| Kresoxim-methyl | 66 - 2546 | ND | | Trifloxystrobin | 45 - 2705 | ND |

Final Approval


 Daniel Weidensaul
 29Apr2022
 01:18:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 29Apr2022
 01:20:00 PM MDT
 APPROVED BY / DATE

Prepared for:

Colorado Botanicals3819 3819 W Burbank Blvd
Burbank, CA USA 91505**Broad Spectrum CBG Oil**

| | | | |
|---|---------------------------------------|------------------------|-------------|
| Batch ID or Lot Number: 0030_210618 | Test, Test ID and Methods: Various | Matrix: Concentrate | Page 6 of 6 |
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<https://results.botanacor.com/api/v1/coas/uuid/4533319c-ade0-4347-89c8-ff9a1ee1fd4c>**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 \times (0.877)) and Total CBD = CBD + (CBDa \times (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 \times (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 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 17025:2017 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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