

Prepared for:

BLUEBIRD BOTANICALS

PO BOX 271724 Louisville, CO USA 80027

COSG

| Batch ID or Lot Number: | Test, Test ID and Methods: | Matrix: | Page 1 of 7 |
|-------------------------|----------------------------|------------------|-------------|
| 3282 | Various | Finished Product | |
| Reported: | Started: | Received: | |
| 09May2024 | 08May2024 | 08May2024 | |

Heavy Metals -Colorado Compliance

Test ID: T000280096

Methods: TM19 (ICP-MS): Heavy

| Metals | Dynamic Range (ppm) | Result (ppm) | Notes |
|---------|---------------------|--------------|-------|
| Arsenic | 0.05 - 4.58 | ND | |
| Cadmium | 0.05 - 4.78 | ND | |
| Mercury | 0.05 - 4.84 | ND | • |
| Lead | 0.01 - 0.61 | ND | |

Final Approval

Karen Winternheimer 09May2024

Winternheimer 01:24:00 PM MDT

Sam Smith Samantha Smot 09May2024 02:24:00 PM MDT



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Pesticides

Test ID: T000280094 Methods: TM17

| (LC-QQ LC MS/MS) | Dynamic Range (ppb) | Result (ppb) |
|---------------------|---------------------|--------------|
| Abamectin | 346 - 2669 | ND |
| Acephate | 37 - 2652 | ND |
| Acetamiprid | 44 - 2643 | ND |
| Azoxystrobin | 42 - 2692 | ND |
| Bifenazate | 41 - 2688 | ND |
| Boscalid | 43 - 2728 | ND |
| Carbaryl | 40 - 2701 | ND |
| Carbofuran | 44 - 2680 | ND |
| Chlorantraniliprole | 48 - 2738 | ND |
| Chlorpyrifos | 37 - 2695 | ND |
| Clofentezine | 280 - 2766 | ND |
| Diazinon | 283 - 2702 | ND |
| Dichlorvos | 277 - 2622 | ND |
| Dimethoate | 42 - 2636 | ND |
| E-Fenpyroximate | 287 - 2743 | ND |
| Etofenprox | 43 - 2717 | ND |
| Etoxazole | 292 - 2606 | ND |
| Fenoxycarb | 43 - 2728 | ND |
| Fipronil | 44 - 2814 | ND |
| Flonicamid | 41 - 2740 | ND |
| Fludioxonil | 297 - 2755 | ND |
| Hexythiazox | 41 - 2705 | ND |
| lmazalil | 283 - 2702 | ND |
| Imidacloprid | 48 - 2702 | ND |
| Kresoxim-methyl | 41 - 2695 | ND |

| | Dynamic Range (ppb) | Result (ppb) |
|-----------------|----------------------------|--------------|
| Malathion | 298 - 2673 | ND |
| Metalaxyl | 39 - 2668 | ND |
| Methiocarb | 44 - 2788 | ND |
| Methomyl | 43 - 2692 | ND |
| MGK 264 1 | 172 - 1597 | ND |
| MGK 264 2 | 112 - 1093 | ND |
| Myclobutanil | 36 - 2804 | ND |
| Naled | 47 - 2680 | ND |
| Oxamyl | 45 - 2698 | ND |
| Paclobutrazol | 42 - 2702 | ND |
| Permethrin | 304 - 2683 | ND |
| Phosmet | 40 - 2591 | ND |
| Prophos | 279 - 2785 | ND |
| Propoxur | 42 - 2699 | ND |
| Pyridaben | 296 - 2697 | ND |
| Spinosad A | 34 - 2076 | ND |
| Spinosad D | 70 - 651 | ND |
| Spiromesifen | 280 - 2711 | ND |
| Spirotetramat | 271 - 2766 | ND |
| Spiroxamine 1 | 12 - 1057 | ND |
| Spiroxamine 2 | 9 - 1645 | ND |
| Tebuconazole | 283 - 2695 | ND |
| Thiacloprid | 47 - 2656 | ND |
| Thiamethoxam | 40 - 2689 | ND |
| Trifloxystrobin | 44 - 2711 | ND |

Final Approval

Samantha Smoth

Sam Smith 10May2024 09:31:00 AM MDT

PREPARED BY / DATE

10May2024 09:40:00 AM MDT APPROVED BY / DATE

Karen Winternheimer



Notes N/A

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Mycotoxins - Colorado Compliance

Test ID: T000280098

Methods: TM18 (UHPLC-QQQ

| LCMS/MS): Mycotoxins | Dynamic Range (ppb) | Result (ppb) | |
|-----------------------------------|----------------------------|--------------|--|
| Ochratoxin A | 2.06 - 130.21 | ND | |
| Aflatoxin B1 | 0.90 - 33.68 | ND | |
| Aflatoxin B2 | 0.93 - 34.08 | ND | |
| Aflatoxin G1 | 1.00 - 34.18 | ND | |
| Aflatoxin G2 | 1.63 - 34.44 | ND | |
| Total Aflatoxins (B1, B2, G1, and | G2) | ND | |

Final Approval

Withhelme 10:59:00 AM MDT PREPARED BY / DATE

Karen Winternheimer 13May2024

Samantha Small 13May2024 11:03:00 AM MDT

Sam Smith

APPROVED BY / DATE

Microbial

Contaminants -

Colorado Compliance

Test ID: T000280095

Methods: TM25 (qPCR) TM24, TM26,

| TM27 (Culture Plating): Microbial | | | Quantitation | | |
|-----------------------------------|--------------------------|-------------------------|---|---------------|---|
| (Colorado Panel) | 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

Pent Value PREPARED BY / DATE Brett Hudson 13May2024 01:20:00 PM MDT

Brianne Maillot 14May2024 07:47:00 PM MDT



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Cannabinoids - Colorado Compliance

Test ID: T000280093

Methods: TM14 (HPLC-DAD): Potency - Standard

| Cannabinoid Analysis | LOD (mg) | LOQ (mg) | Result (mg) | Result (mg/g) | Notes |
|--|----------|----------|--|------------------------------|-------------------|
| Cannabichromene (CBC) | 0.048 | 0.158 | 0.292 | 0.44 | # of Servings = 1 |
| Cannabichromenic Acid (CBCA) | 0.044 | 0.145 | 0.305 | 0.46 | Sample |
| Cannabidiol (CBD) | 0.155 | 0.415 | 7.900 | 11.91 | Weight=0.663g |
| Cannabidiolic Acid (CBDA) | 0.159 | 0.425 | 7.963 | 12.01 | |
| Cannabidivarin (CBDV) | 0.037 | 0.098 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 0.066 | 0.177 | ND | ND | |
| Cannabigerol (CBG) | 0.027 | 0.090 | 0.187 | 0.28 | |
| Cannabigerolic Acid (CBGA) | 0.114 | 0.376 | ND | ND | |
| Cannabinol (CBN) | 0.036 | 0.117 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.078 | 0.256 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.136 | 0.448 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.124 | 0.407 | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.110 | 0.360 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.025 | 0.082 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.097 | 0.318 | ND | ND | |
| Total Cannabinoids | | | 16.647 | 25.10 | |
| Total Potential THC | | | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> | |
| Total Potential CBD | | | 14.884 | 22.44 | |

Final Approval

PREPARED BY / DATE

Karen Winternheimer 13May2024 Materiheme 12:56:00 PM MDT

Samantha Smot 13May2024 12:58:00 PM MDT

Sam Smith



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Cannabinoids - Colorado Compliance

Test ID: T000280092

Methods: TM14 (HPLC-DAD): Potency - Standard

| Cannabinoid Analysis | LOD (mg) | LOQ (mg) | Result (mg) | Result (mg/g) | Notes |
|--|----------|----------|--|------------------------------|-------------------|
| Cannabichromene (CBC) | 0.048 | 0.158 | 0.290 | 0.43 | # of Servings = 1 |
| Cannabichromenic Acid (CBCA) | 0.044 | 0.145 | 0.304 | 0.45 | Sample |
| Cannabidiol (CBD) | 0.155 | 0.415 | 7.863 | 11.54 | Weight=0.681g |
| Cannabidiolic Acid (CBDA) | 0.159 | 0.425 | 7.966 | 11.69 | |
| Cannabidivarin (CBDV) | 0.037 | 0.098 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 0.066 | 0.177 | ND | ND | |
| Cannabigerol (CBG) | 0.027 | 0.090 | 0.187 | 0.27 | |
| Cannabigerolic Acid (CBGA) | 0.114 | 0.376 | ND | ND | |
| Cannabinol (CBN) | 0.036 | 0.117 | ND | ND | |
| Cannabinolic Acid (CBNA) | 0.078 | 0.256 | ND | ND | |
| Delta 8-Tetrahydrocannabinol (Delta 8-THC) | 0.136 | 0.448 | ND | ND | |
| Delta 9-Tetrahydrocannabinol (Delta 9-THC) | 0.124 | 0.407 | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> | |
| Delta 9-Tetrahydrocannabinolic Acid (THCA-A) | 0.110 | 0.360 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.025 | 0.082 | ND | ND | |
| Tetrahydrocannabivarinic Acid (THCVA) | 0.097 | 0.318 | ND | ND | |
| Total Cannabinoids | | | 16.610 | 24.38 | |
| Total Potential THC | | | <loq< td=""><td><loq< td=""><td></td></loq<></td></loq<> | <loq< td=""><td></td></loq<> | |
| Total Potential CBD | | | 14.849 | 21.79 | |

Final Approval

Karen Winternheimer 13May2024 Materihame 12:56:00 PM MDT

PREPARED BY / DATE

Samantha Smot 13May2024 12:58:00 PM MDT

Sam Smith



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Residual Solvents -Colorado Compliance

Test ID: T000280097

Methods: TM04 (GC-MS): Residual

| Solvents | Dynamic Range (ppm) | Result (ppm) | Notes |
|-------------------------------|---------------------|--------------|-------|
| Propane | 76 - 1520 | ND | |
| Butanes (Isobutane, n-Butane) | 163 - 3252 | ND | |
| Methanol | 65 - 1308 | ND | |
| Pentane | 87 - 1735 | ND | |
| Ethanol | 90 - 1798 | ND | |
| Acetone | 103 - 2069 | ND | |
| Isopropyl Alcohol | 110 - 2194 | ND | |
| Hexane | 6 - 128 | ND | |
| Ethyl Acetate | 106 - 2129 | ND | |
| Benzene | 0.2 - 4.3 | ND | |
| Heptanes | 98 - 1963 | ND | |
| Toluene | 19 - 382 | ND | |
| Xylenes (m,p,o-Xylenes) | 136 - 2729 | ND | |

Final Approval

PREPARED BY / DATE

MUNHUMA 08:53:00 AM MDT

Karen Winternheimer 14May2024

Samantha Smot 14May2024 08:55:00 AM MDT

Sam Smith



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https://results.botanacor.com/api/v1/coas/uuid/ae989f08-7bb3-46e8-9f40-96460932793f

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 *(0.877)) and Total CBD = CBD + (CBDa *(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 *(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 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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological. 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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