

PJOBBL

Batch ID or Lot Number: **21294-02** Test: **Potency** Reported: **11/2/21**


Matrix: Test ID: Started: USDA License:
 Unit T000172339 11/1/21 N/A

Status: Method: Received: Sampler ID:
 N/A TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC (Colorado Panel) 10/28/2021 @ 10:41 AM N/A

CANNABINOID PROFILE

| Compound | LOD (mg) | LOQ (mg) | Result (mg) | Result (mg/g) | Notes |
|--|----------|----------|---------------|---------------|--|
| Delta 9-Tetrahydrocannabinolic acid (THCA-A) | 0.486 | 1.650 | ND | ND | # of Servings = 1 Sample Weight=21.792g |
| Delta 9-Tetrahydrocannabinol (Delta 9THC) | 0.548 | 1.863 | ND | ND | |
| Cannabidiolic acid (CBDA) | 3.640 | 11.986 | ND | ND | |
| Cannabidiol (CBD) | 3.549 | 11.686 | 28.503 | 1.31 | |
| Delta 8-Tetrahydrocannabinol (Delta 8THC) | 3.757 | 12.350 | ND | ND | |
| Cannabinolic Acid (CBNA) | 2.151 | 7.073 | ND | ND | |
| Cannabinol (CBN) | 0.984 | 3.235 | ND | ND | |
| Cannabigerolic acid (CBGA) | 3.153 | 10.366 | ND | ND | |
| Cannabigerol (CBG) | 0.754 | 2.480 | 2.28* | 0.1* | |
| Tetrahydrocannabivarinic Acid (THCVA) | 2.666 | 8.765 | ND | ND | |
| Tetrahydrocannabivarin (THCV) | 0.686 | 2.256 | ND | ND | |
| Cannabidivarinic Acid (CBDVA) | 1.518 | 5.000 | ND | ND | |
| Cannabidivarin (CBDV) | 0.839 | 2.764 | ND | ND | |
| Cannabichromenic Acid (CBCA) | 1.215 | 3.995 | ND | ND | |
| Cannabichromene (CBC) | 1.329 | 4.368 | ND | ND | |
| Total Cannabinoids | | | 30.783 | 1.41 | |
| Total Potential THC** | | | ND | ND | |
| Total Potential CBD** | | | 28.503 | 1.31 | |


 Hannah Wright
 02-Nov-2021
 06:09 PM


 Daniel Weidensaul
 2-Nov-21
 6:25 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)

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.



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Certificate #4329.02

PJOBBL


Batch ID or Lot Number: **21294-02** Test: **Pesticides** Reported: **11/2/21**

Matrix: Concentrate Test ID: T000172340 Started: 11/1/21 USDA License: N/A

Status: N/A Method: TM17(LC-QQQ LC MS/MS): Received: 10/28/2021 @ 10:41 AM Sampler ID: N/A

PESTICIDE DETERMINATION

| Compound | LOQ (ppb) | Result (ppb) | Compound | LOQ (ppb) | Result (ppb) | Compound | LOQ (ppb) | Result (ppb) |
|---------------------|-----------|--------------|-----------------|-----------|--------------|-----------------|-----------|--------------|
| Acephate | 49 | ND | Fenoxycarb | 47 | ND | Paclobutrazol | 51 | ND |
| Acetamiprid | 45 | ND | Fipronil | 49 | ND | Permethrin | 302 | ND |
| Avermectin | 311 | ND | Flonicamid | 52 | ND | Phosmet | 46 | ND |
| Azoxystrobin | 43 | ND | Fludioxonil | 322 | ND | Prophos | 278 | ND |
| Bifenazate | 42 | ND | Hexythiazox | 47 | ND | Propoxur | 44 | ND |
| Boscalid | 47 | ND | Imazalil | 307 | ND | Pyridaben | 280 | ND |
| Carbaryl | 44 | ND | Imidacloprid | 51 | ND | Spinosad A | 32 | ND |
| Carbofuran | 48 | ND | Kresoxim-methyl | 150 | ND | Spinosad D | 58 | ND |
| Chlorantraniliprole | 59 | ND | Malathion | 304 | ND | Spiromesifen | 308 | ND |
| Chlorpyrifos | 500 | ND | Metalaxyl | 48 | ND | Spirotetramat | 309 | ND |
| Clofentezine | 302 | ND | Methiocarb | 49 | ND | Spiroxamine 1 | 24 | ND |
| Diazinon | 309 | ND | Methomyl | 55 | ND | Spiroxamine 2 | 29 | ND |
| Dichlorvos | 322 | ND | MGK 264 1 | 188 | ND | Tebuconazole | 309 | ND |
| Dimethoate | 45 | ND | MGK 264 2 | 127 | ND | Thiacloprid | 45 | ND |
| E-Fenpyroximate | 284 | ND | Myclobutanil | 45 | ND | Thiamethoxam | 48 | ND |
| Etofenprox | 40 | ND | Naled | 49 | ND | Trifloxystrobin | 45 | ND |
| Etoxazole | 314 | ND | Oxamyl | 1500 | ND | | | |

 Sam Smith
11/2/2021
4:32:00 PM

 Daniel Weidensaul
11/2/2021
4:55:00 PM

PREPARED BY / DATE

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Definitions

LOQ = Limit of Quantification
ppb = Parts per Billion

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| | | | |
|--|---|------------------------------------|----------------------|
| Batch ID or Lot Number: 21294-02 | Test: Microbial Contaminants | Reported: 11/5/21 | |
| Matrix: Finished Product | Test ID: T000173012 | Started: 11/2/21 | USDA License: N/A |
| Status: N/A | Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel) | Received: 11/02/2021 @ 10:49 AM | Sampler ID: N/A |

MICROBIAL CONTAMINANTS DETERMINATION

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

 Jackson Osaghae-Nosa
11/5/2021
10:17:00 AM

PREPARED BY / DATE

 Carly Bader
11/5/2021
10:20:00 AM

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:
 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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|--|--|------------------------------------|----------------------|
| Batch ID or Lot Number: 21294-02 | Test: Metals | Reported: 11/3/21 | |
| Matrix: Unit Co | Test ID: T000172342 | Started: 11/2/21 | USDA License: N/A |
| Status: N/A | Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel) | Received: 10/28/2021 @ 10:41 AM | Sampler ID: N/A |

HEAVY METALS DETERMINATION

| Compound | Dynamic Range (ppm) | Result (ppm) | Notes |
|----------|---------------------|--------------|-------|
| Arsenic | 0.043 - 4.32 | ND | |
| Cadmium | 0.044 - 4.40 | ND | |
| Mercury | 0.042 - 4.24 | ND | |
| Lead | 0.043 - 4.32 | ND | |

 Daniel Weidensaul
3-Nov-21
1:24 PM

PREPARED BY / DATE

 Sam Smith
3-Nov-21
1:26 PM

APPROVED BY / DATE

Definitions

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

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| | | | |
|--|---|------------------------------------|----------------------|
| Batch ID or Lot Number: 21294-02 | Test: Mycotoxins | Reported: 11/2/21 | |
| Matrix: Concentrate | Test ID: T000172344 | Started: 11/2/21 | USDA License: N/A |
| Status: N/A | Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel) | Received: 10/28/2021 @ 10:41 AM | Sampler ID: N/A |

MYCOTOXIN DETERMINATION

| Compound | Dynamic Range (ppb) | Result (ppb) | Notes |
|--|---------------------|--------------|-------|
| Ochratoxin A | 4.5 - 128.3 | ND | N/A |
| Aflatoxin B1 | 1.1 - 32.9 | ND | |
| Aflatoxin B2 | 1 - 33.7 | ND | |
| Aflatoxin G1 | 1.3 - 33.4 | ND | |
| Aflatoxin G2 | 1.2 - 31.2 | ND | |
| Total Aflatoxins (B1, B2, G1, and G2) | | ND | |


 Sam Smith
 2-Nov-21
 5:03 PM

PREPARED BY / DATE


 Ryan Weems
 2-Nov-21
 5:05 PM

APPROVED BY / DATE

Definitions

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

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|--|--|------------------------------------|----------------------|
| Batch ID or Lot Number: 21294-02 | Test: Residual Solvents | Reported: 10/29/21 | |
| Matrix: N/A | Test ID: T000172343 | Started: 10/29/21 | USDA License: N/A |
| Status: N/A | Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel) | Received: 10/28/2021 @ 10:41 AM | Sampler ID: N/A |

RESIDUAL SOLVENTS DETERMINATION

| Solvent | Dynamic Range (ppm) | Result (ppm) | Notes |
|---|---------------------|--------------|-------|
| Propane | 124 - 2473 | *ND | |
| Butanes (Isobutane, n-Butane) | 244 - 4888 | *ND | |
| Methanol | 92 - 1843 | *ND | |
| Pentane | 134 - 2682 | *ND | |
| Ethanol | 148 - 2953 | *ND | |
| Acetone | 145 - 2907 | *ND | |
| Isopropyl Alcohol | 156 - 3120 | *ND | |
| Hexane | 8 - 157 | *ND | |
| Ethyl Acetate | 148 - 2958 | *ND | |
| Benzene | 0.3 - 6 | *ND | |
| Heptanes | 140 - 2802 | *ND | |
| Toluene | 26 - 527 | *ND | |
| Xylenes (m,p,o-Xylenes) | 198 - 3958 | *ND | |


 Hannah Wright
 29-Oct-21
 5:53 PM

PREPARED BY / DATE


 Ryan Weems
 29-Oct-21
 5:55 PM

APPROVED BY / DATE

Definitions

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

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