Universal Diagnostics 673 N. Bardstown Rd. Mount Washington, KY, 40047 (502) 444-2044 www.UD-Labs.com Lic # 19-05-02P



Certificate Analysis

BP01T50-67

Matrix: Derivative

Accession Number: 042621UD0005

Harvest/Lot ID: Seed to Sale: *

Batch Date: 04/26/21

Batch #:

Sample Size Received: 1 units

Retail Product Size:

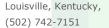
Ordered: 04/26/21

Completed: 04/29/21

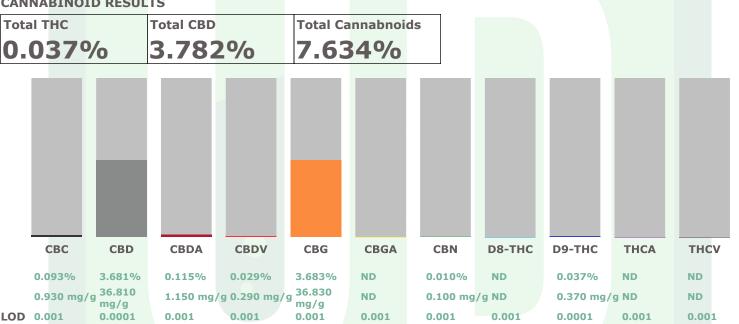
Expires: 04/28/22

Sampling Method: SOP Client Method

Apr 29,2021 | Botanical **Processing LLC**



CANNABINOID RESULTS



Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). (Method: SOP.KY.02.005) sample prep and Shimadzu High Sensitivity Method SOP.KY.02.012 for analysis. LOQ for all cannabinoids is 1 mg/L). % = %w/w = Percent (Weight of Analyte/Weight Product) Total Cannabinoids result reflects the absolute sum of all cannabinoids detected. **Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation Total THC = THC + (THCa*0.877) Total CBD = CBD + (CBDa*0.877)null

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David Greene

Lab Director

State License # 19-05-02P ISO Accreditation # PJLA ISO17025

04/29/21

Signature

Signed On

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Certificate of Analysis

Feb 06,2021 | Botanical Processing LLC

Louisville, Kentucky, (502) 742-7151



BP01T50

Matrix: Derivative

Accession Number: 210202KA0001D

Harvest/Lot ID:

Seed to Sale: *
Batch Date: 02/02/21

Batch #:

Sample Size Received: 1 units

Retail Product Size: 1 units

Ordered: 02/02/21

Completed: 02/06/21

Expires: 02/05/22

Sampling Method: SOP Client Method



Pesticides

| Pesticides | LLOQ | Result | Units | Action Level | Pass / Fail | Pesticides | LLOQ | Result | Units | Action Level | Pass / Fail |
|-----------------------|--------|--------|-------|-----------------|----------------|-----------------------|--------|--------|-------|-----------------|----------------|
| - cis-permethrin | 0.0041 | ND | ppm | 0.4 | PASS | - trans-permethrin | 0.0118 | ND | ppm | 0.4 | PASS |
| ABAMECTIN B1A | 0.02 | ND | ppm | 0.5 | PASS | ACEPHATE | 0.01 | ND | ppm | 0.4 | PASS |
| ACEQUINOCYL | 0.05 | ND | ppm | 2 | PASS | ACETAMIPRID | 0.01 | ND | ppm | 0.2 | PASS |
| ALDICARB | 0.02 | ND | ppm | 0.4 | PASS | AZOXYSTROBIN | 0.01 | ND | ppm | 0.2 | PASS |
| BIFENAZATE | 0.01 | ND | ppm | 0.2 | PASS | BIFENTHRIN | 0.01 | ND | ppm | 0.2 | PASS |
| BOSCALID | 0.01 | ND | ppm | 0.4 | PASS | CARBARYL | 0.01 | ND | ppm | 0.2 | PASS |
| CARBOFURAN | 0.01 | ND | ppm | 0.2 | PASS | CHLORANTRANILIPROLE | 0.01 | ND | ppm | 0.2 | PASS |
| CHLORPYRIFOS | 0.01 | ND | ppm | 0.2 | PASS | CLOFENTEZINE | 0.01 | ND | ppm | 0.2 | PASS |
| COUMAPHOS | 0.01 | ND | ppm | 0.2 | PASS | CYPERMETHRIN | 0.02 | ND | ppm | 1 | PASS |
| DAMINOZIDE | 0.02 | ND | ppm | 1 | PASS | DIAZANON | 0.01 | ND | ppm | 0.2 | PASS |
| DICHLORVOS | 0.05 | ND | ppm | 0.1 | PASS | DIMETHOATE | 0.01 | ND | ppm | 0.2 | PASS |
| DIMETHOMORPH | 0.005 | ND | ppm | 0.1 | PASS | ETHOPROPHOS | 0.01 | ND | ppm | 0.2 | PASS |
| TOFENPROX | 0.01 | ND | ppm | 0.4 | PASS | ETOXAZOLE | 0.01 | ND | ppm | 0.2 | PASS |
| ENHEXAMID | 0.005 | ND | ppm | 0.1 | PASS | FENOXYCARB | 0.01 | ND | ppm | 0.2 | PASS |
| FENPYROXIMATE | 0.01 | ND | ppm | 0.4 | PASS | FIPRONIL | 0.02 | ND | ppm | 0.4 | PASS |
| LONICAMID | 0.01 | ND | ppm | 1 | PASS | FLUDIOXONIL | 0.01 | ND | ppm | 0.4 | PASS |
| HEXYTHIAZOX | 0.01 | ND | ppm | 1 | PASS | IMAZALIL | 0.01 | ND | ppm | 0.2 | PASS |
| MIDACLOPRID | 0.01 | ND | ppm | 0.4 | PASS | KRESOXIM-METHYL | 0.01 | ND | ppm | 0.4 | PASS |
| MALATHION | 0.01 | ND | ppm | 0.2 | PASS | METALAXYL | 0.01 | ND | ppm | 0.2 | PASS |
| METHIOCARB | 0.01 | ND | ppm | 0.2 | PASS | METHOMYL | 0.01 | ND | ppm | 0.4 | PASS |
| MEVINPHOS | 0.01 | ND | ppm | 0.1 | PASS | MYCLOBUTANIL | 0.01 | ND | ppm | 0.2 | PASS |
| NALED | 0.01 | ND | ppm | 0.5 | PASS | OXAMYL | 0.01 | ND | ppm | 1 | PASS |
| PACLOBUTRAZOL | 0.01 | ND | ppm | 0.4 | PASS | PERMETHRINS (sum) | 0.05 | ND | ppm | 1 | PASS |
| PHOSMET | 0.01 | ND | ppm | 0.2 | PASS | PIPERONYL BUTOXIDE | 0.01 | ND | ppm | 2 | PASS |
| PRALLETHRIN | 0.05 | ND | ppm | 0.2 | PASS | PROPICONAZOLE | 0.01 | ND | ppm | 0.4 | PASS |
| PROPOXUR | 0.01 | ND | ppm | 0.2 | PASS | PYRETHRIN I | 0.01 | ND | ppm | 1 | PASS |
| PYRIDABEN | 0.01 | ND | ppm | 0.2 | PASS | SPINETORAM | 0.01 | ND | ppm | 0.5 | PASS |
| SPINOSAD (SPINOSYN A) | 0.01 | ND | ppm | 0.2 | PASS | SPINOSAD (SPINOSYN D) | 0.01 | ND | ppm | 0.2 | PASS |
| SPIROMESIFEN | 0.01 | ND | ppm | 0.2 | PASS | SPIROTETRAMAT | 0.02 | ND | ppm | 0.2 | PASS |
| SPIROXAMINE | 0.01 | ND | ppm | 0.2 | PASS | TEBUCONAZOLE | 0.01 | ND | ppm | 0.4 | PASS |
| THIACLOPRID | 0.01 | ND | ppm | 0.2 | PASS | THIAMETHOXAM | 0.01 | ND | ppm | 0.2 | PASS |
| Trifloxystrobin | 0.01 | ND | ppm | 0.2 | PASS | | | | | | |

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.060 Procedure for Pesticide Quantification Using LCMS). **

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David Greene

Lab Director

State License # 19-05-02P

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02/06/21

Signature

Signed On

UNIVERSAL
Universal Diagnostics
673 N. Bardstown Rd.
Mount Washington, KY, 40047

(502) 444-2044 www.UD-Labs.com Lic # 19-05-02P

Certificate of Analysis

Botanical Processing LLC

Louisville, Kentucky,

Telephone: (502) 742-7151 **Email**: customercare@botanical-





BP01T50

Matrix: Derivative

Accession Number: 210202KA0001D

Harvest/Lot ID:

Seed to Sale: *

Batch Date: 02/02/21

Batch #:

Sample Size Received: 1 units

Retail Product Size: 1 units

Ordered: 02/02/21

Expires: 02/05/22

Completed: 02/06/21

Sampling Method: SOP Client Method

Mycotoxins

| Analyte | LLOQ | Result | Units | Action Level | Pass / Fail | Analyte | LLOQ | Result | Units | Action Level | Pass / Fail |
|--------------|-------|--------|-------|-----------------|----------------|--------------|-------|--------|-------|-----------------|----------------|
| Aflatoxin B1 | 0.001 | ND | ppm | 0.2 | PASS | Aflatoxin B2 | 0.001 | ND | ppm | 0.2 | PASS |
| Aflatoxin G1 | 0.001 | ND | ppm | 0.2 | PASS | Aflatoxin G2 | 0.001 | ND | ppm | 0.2 | PASS |
| Ocratoxin A+ | 0.001 | ND | ppm | 0.2 | PASS | | | | | | |

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 forSample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be 20g/Kg. Ochratoxins must be 20g/Kg

Residual Solvents

| Solvent | LLOQ | Result | Units | Action Level (PPM) | Pass/Fail |
|-------------------------------------|-------|--------|-------|--------------------------|-----------|
| 1,1-DICHLOROETHENE | 2.0 | ND | ppm | 8 | PASS |
| 1,2-DICHLOROETHENE | 0.24 | ND | ppm | 1870 | PASS |
| 2-PROPANOL | 60.0 | ND | ppm | 5000 | PASS |
| ACETONE | 90.0 | ND | ppm | 5000 | PASS |
| ACETONITRILE | 7.2 | ND | ppm | 410 | PASS |
| BUTANES (N-BUTANE) | 50.0 | ND | ppm | 5000 | PASS |
| CHLOROFORM | 0.24 | ND | ppm | 60 | PASS |
| DICHLOROMETHANE | 15.0 | ND | ppm | 600 | PASS |
| ETHANOL | 120.0 | ND | ppm | 5000 | PASS |
| ETHYL ACETATE | 48.0 | ND | ppm | 5000 | PASS |
| ETHYL ETHER | 60.0 | ND | ppm | 5000 | PASS |
| ETHYLENE OXIDE | 0.6 | ND | ppm | 50 | PASS |
| HEPTANE | 60.0 | ND | ppm | 5000 | PASS |
| HEXANES | 6.0 | ND | ppm | 290 | PASS |
| METHANOL | 30.0 | ND | ppm | 3000 | PASS |
| PENTANES | 90.0 | ND | ppm | 2500 | PASS |
| PROPANE | 80.0 | ND | ppm | 5000 | PASS |
| TOLUENE | 18.0 | ND | ppm | 1068 | PASS |
| TRICHLOROETHENE | 3.0 | ND | ppm | 80 | PASS |
| XYLENES | 18.0 | ND | ppm | 2170 | PASS |
| XYLENES-M (1,3- DIMETHYLBENZENE) | 18.0 | ND | ppm | 2170 | PASS |
| XYLENES-O (1,2- DIMETHYLBENZENE) | 18.0 | ND | ppm | 2170 | PASS |
| XYLENES-P (1,4- DIMETHYLBENZENE) | 18.0 | ND | ppm | 2170 | PASS |

Heavy Metals

| Metal | LLOQ | Result | Unit | Action Level | Pass / Fail |
|---------|------|--------|------|-----------------|----------------|
| Arsenic | 0.02 | ND | ppm | 3 | PASS |
| Cadmium | 0.02 | ND | ppm | 0.3 | PASS |
| Lead | 0.02 | ND | ppm | 10 | PASS |
| Mercury | 0.02 | ND | ppm | 3 | PASS |

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.3.0.052 Sample Preparation for Heavy Metals Analysis via ICP-MS andSOP.T.40.050 Heavy Metals Analysis via ICP-MS. *Action Limits based on Colorado Regulations.

Microbials

| Analyte | Result |
|--------------------------------|------------------------|
| ASPERGILLUS_FLAVUS. | not present in 1 gram. |
| ASPERGILLUS_FUMIGATUS. | not present in 1 gram. |
| ASPERGILLUS_NIGER . | not present in 1 gram. |
| ASPERGILLUS_TERREUS_1J2. | not present in 1 gram. |
| ESCHERICHIA_COLI_SHIGELLA_SPP. | not present in 1 gram. |
| SALMONELLA_SPECIFIC_GENE. | not present in 1 gram. |

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus flumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample falls the microbiological-impurity testing.

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David Greene

Lab Director

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02/06/21

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