



Certificate of Analysis



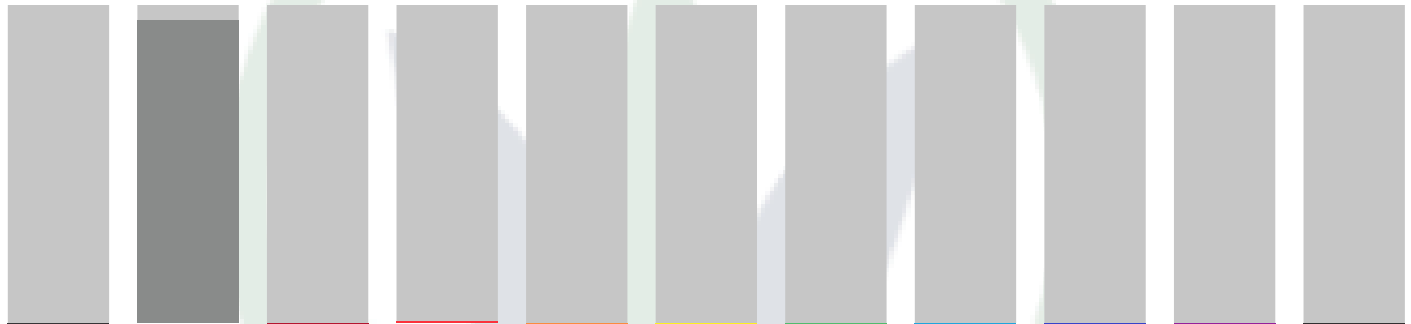
1320748906102584 CBD GUMMIES 25MG
Matrix: Edible
Accession Number: 031522UD0010
Harvest/Lot ID: 1320748906102584 CBD
Seed to Sale: *
Batch Date: 03/14/22
Batch #: NKYTOB 121420 CBD GUMMIES
Sample Size Received: 30
Retail Product Size: 30
Ordered: 03/14/22
Completed: 03/25/22
Sampling Method: SOP Client Method

Mar 25, 2022 | Aerosource H


 Kevil, KY,
 (270) 462-2742

CANNABINOID RESULTS

| | | |
|-----------------------------------|-----------------------------------|--|
| Total THC 0.000% | Total CBD 2.593% | Total Cannabinoids 2.604% |
|-----------------------------------|-----------------------------------|--|



| | CBC | CBD | CBDA | CBDV | CBG | CBGA | CBN | D8-THC | D9-THC | THCA | THCv |
|-------------|-------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| Conc.(wt%) | ND | 2.593 | ND | 0.011 | ND | ND | ND | ND | ND | ND | ND |
| Conc.(mg/g) | ND | 25.930 | ND | 0.110 | ND | ND | ND | ND | ND | ND | ND |
| LOQ | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 |

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|----------------------|-----------------|
| TW | 03/24/2022 | Shimadzu HPLC w/ PDA | SOP.KY.02.012 |

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-PDA). SOP.KY.02.005 for sample prep and SOP.KY.02.012 for analysis. % = %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)

| | |
|-----------------------------------|---------------|
| Filth & Foreign Matter | PASSED |
|-----------------------------------|---------------|

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|----------------------|-----------------|
| TW | 03/24/2022 | Microscope (Amscope) | SOP.KY.02.011 |

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection. (Method: SOP.KY.02.011)

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Daniel Burriss
 Lab Director
 State License # 19-05-02P
 ISO/IEC 17025:2017

03/25/22


 PJLA Testing
 Accreditation 113856

Signature

Signed On



Certificate of Analysis

1320748906102584 CBD GUMMIES 25MG

Matrix: Edible

Accession Number: 031522UD0010

Harvest/Lot ID: 1320748906102584 CBD

Seed to Sale: *

Batch Date: 03/14/22

Batch #: NKYTOB 121420 CBD GUMMIES

Sample Size Received: 30

Retail Product Size: 30

Ordered: 03/14/22

Completed: 03/25/22

Sampling Method: SOP Client Method

Aerosource H


aerosourceH

 Kevil, KY,
 Telephone: (270) 462-2742
 Email: cbaldwin@aerosourceh.com

| Pesticides | | | | | | PASSED | | | | | |
|-----------------------|------|--------|-------|--------------|-------------|-----------------------|--------|--------|-------|--------------|-------------|
| Pesticides | LLOQ | Result | Units | Action Level | Pass / Fail | Pesticides | LLOQ | Result | Units | Action Level | Pass / Fail |
| 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 | 3.0 | 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 | cis-Permethrin | 0.0041 | ND | ppm | 0.4 | 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 |
| Diazanone | 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 | Etofenprox | 0.01 | ND | ppm | 0.4 | PASS |
| Etoxazole | 0.01 | ND | ppm | 0.2 | PASS | Fenhexamid | 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 | Flonicamid | 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 | Imidacloprid | 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 | trans-Permethrin | 0.0118 | ND | ppm | 0.4 | PASS |
| Trifloxystrobin | 0.01 | ND | ppm | 0.2 | PASS | | | | | | |

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|----------------------|-----------------|
| DB | 03/24/2022 | Shimadzu LCMSMS 8060 | SOP.KY.02.022 |

Pesticide screening is performed using LC/MS/MS which can screen down to below single digit ppb concentrations for the 57 pesticides analyzed. (Method: SOP.KY.02.022)

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Daniel Burriss

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03/25/22



Accreditation 113856

Signature

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Certificate of Analysis

1320748906102584 CBD GUMMIES 25MG
Matrix: Edible
Accession Number: 031522UD0010
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Seed to Sale: *
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Batch #: NKYTOB 121420 CBD GUMMIES
Sample Size Received: 30
Retail Product Size: 30
Ordered: 03/14/22
Completed: 03/25/22
Sampling Method: SOP Client Method
Aerosource H


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Email: cbaldwin@aerosourceh.com

| | |
|-------------------|---------------|
| Mycotoxins | PASSED |
|-------------------|---------------|

| 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 |
| Ochratoxin A+ | 0.001 | ND | ppm | 0.2 | PASS | | | | | | |

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|----------------------|-----------------|
| DB | 03/24/2022 | Shimadzu LCMSMS 8060 | SOP.KY.02.022 |

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC/MS/MS. (Method: SOP.KY.02.022)

| | |
|--------------------------|---------------|
| Residual Solvents | PASSED |
|--------------------------|---------------|

| Solvent | LLOQ | Result | Units | Action Level (PPM) | Pass/Fail |
|---------------|------|--------|-------|--------------------|-----------|
| 2-Propanol | 60 | ND | ppm | 5000 | PASS |
| Acetone | 60 | ND | ppm | 5000 | PASS |
| Acetonitrile | 60 | ND | ppm | 410 | PASS |
| Butane | 200 | ND | ppm | 5000 | PASS |
| Ethanol | 80 | ND | ppm | 5000 | PASS |
| Ethyl Acetate | 60 | ND | ppm | 5000 | PASS |
| Ethyl Ether | 40 | ND | ppm | 5000 | PASS |
| Heptane | 40 | ND | ppm | 5000 | PASS |
| Hexane | 40 | ND | ppm | 290 | PASS |
| Isobutane | 200 | ND | ppm | 5000 | PASS |
| M/P-Xylene | 80 | ND | ppm | 2170 | PASS |
| Methanol | 40 | ND | ppm | 3000 | PASS |
| O-Xylene | 40 | ND | ppm | 2170 | PASS |
| Pentane | 60 | ND | ppm | 5000 | PASS |
| Propane | 400 | ND | ppm | 5000 | PASS |
| Toluene | 40 | ND | ppm | 890 | PASS |
| Total Xylenes | 120 | ND | ppm | 2170 | PASS |

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|-------------------|-----------------|
| DB | 03/24/2022 | Shimadzu GC 2010+ | SOP.KY.02.016 |

Residual solvents testing for 16 common extraction solvents is performed via GC/MS. (Method: SOP.KY.02.024)

| | |
|---------------------|---------------|
| Heavy Metals | PASSED |
|---------------------|---------------|

| Metal | LLOQ | Result | Unit | Action Level | Pass / Fail |
|---------|------|--------|------|--------------|-------------|
| Arsenic | 0.2 | ND | ppm | 2 | PASS |
| Cadmium | 0.2 | ND | ppm | 2 | PASS |
| Lead | 0.2 | ND | ppm | 5 | PASS |
| Mercury | 0.2 | ND | ppm | 1 | PASS |

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|-----------------|-----------------|
| DB | 03/24/2022 | Shimadzu ICP/MS | SOP.KY.02.020 |

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen for toxic heavy metals (Arsenic, Cadmium, Lead, and Mercury). (Method SOP.KY.02.020)

| | |
|-------------------|---------------|
| Microbials | PASSED |
|-------------------|---------------|

| 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 | not present in 1 gram. |
| E. Coli | not present in 1 gram. |
| Salmonella | not present in 1 gram. |

| Analyzed by | Date | Instrument used | Analysis Method |
|-------------|------------|-----------------|-----------------|
| TW | 03/24/2022 | PathogenDX | SOP.KY.02.018 |

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.KY.02.018) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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