

CERTIFICATE OF ANALYSIS

PRODUCT NAME: Joy Organics CBD Softgels with Melatonin
PRODUCT STRENGTH: 25 mg CBD / 3 mg Melatonin / 3mg CBN
SOFTGEL BATCH: 22062C
BEST BY DATE: 01/17/2024
BULK LOT: 22BL04374

Click on the links to view third-party reports

Physical Attributes

| Test | Method | Specification | Results |
|-------------------------|--------------|--|---------|
| Color | Joy Internal | Golden to Amber | PASS |
| Odor | Joy Internal | No Odor | PASS |
| Appearance | Joy Internal | Dry, ovoid softgel capsules in container with lid and shrink-band | PASS |
| Primary Package Eval. | Joy Internal | Container clean and free of filth. Container caps tight and shrink bands intact | PASS |
| Secondary Package Eval. | Joy Internal | Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure. | PASS |

Review of Third-Party Analysis

| Panel | Method | Specification | Results* | Pass/Fail |
|---|-----------------|--|------------------|-----------|
| Potency - Total CBD | HPLC-UV DAD | LOQ*: ≥ product strength mg / bottle | 32.8 mg | PASS |
| Potency - D9-THC | HPLC-UV DAD | LOQ: <0.01% THC (Broad Spectrum) | Below LOQ | PASS |
| Expanded Pesticide Panel | HPLC-QQQ | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | Below LOQ | PASS |
| Microbial Escherichia coli (STEC) | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 **CFU/25 | Absent | PASS |
| Microbial Salmonella | PCR | Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram | Absent | PASS |
| Microbial Yeast and Mold | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram | Below LOQ | PASS |
| Microbial Total Coliforms* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram | Below LOQ | PASS |
| Microbial Total Aerobic Count* | Culture Plating | Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ³ CFU/gram | Below LOQ | PASS |
| Heavy Metals | ICP-MS | Arsenic (As): ≤1.5 ppm† Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm | Below LOQ | PASS |
| Mycotoxins | ICP-MS | Total Aflatoxins <20 ppb†† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb | Below LOQ | PASS |
| Residual Solvents | GC-HS-MSD | LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract | Below LOQ | PASS |

*Level of Quantification

**Colony Forming Units per Gram

† Parts Per Million †† Part Per Billion

Values expressed in scientific notation.

Examples:
10²=100
10³=1,000

Quality Certified

Keegan Schlittler
Keegan Schlittler

Quality Assurance Manager

03/07/2022

Date

5042 Technology Parkway, Fort Collins, CO 80528

Tel: (833) 569-7223 www.joyorganics.com

FO-106 Certificate of Analysis

Rev. 1.1 - Effective Date: 2/20/2020

Certificate of Analysis

| | | | |
|----------------------------|--------------------------------|--------------------------|----------------------------------|
| Sample Name: | Joy Organics 25mg Sleep | Eurofins Sample: | 11373568 |
| Project ID | LACORE_NUT-20220124-0001 | Receipt Date | 25-Jan-2022 |
| PO Number | | Receipt Condition | Ambient temperature |
| Lot Number | 22BL04374 | Login Date | 24-Jan-2022 |
| Sample Serving Size | 1 Softgel | Date Started | 25-Jan-2022 |
| | | Sampled | Sample results apply as received |
| | | Number Composited | 10 |
| | | Online Order | 19321-16B19594 |

| Analysis | Result |
|--|--|
| Industrial Hemp Cannabinoid Profile | |
| CBDVA | None detected at detection limit of 0.0042 % |
| CBDV | <0.250 mg/g |
| CBDA | None detected at detection limit of 0.0042 % |
| CBGA | None detected at detection limit of 0.0042 % |
| CBG | 5.28 mg/g |
| CBD | 87.1 mg/g |
| THCV | None detected at detection limit of 0.0083 % |
| CBN | 9.55 mg/g |
| Delta 9-THC | None detected at detection limit of 0.0083 % |
| Delta 8-THC | None detected at detection limit of 0.0167 % |
| THCA | None detected at detection limit of 0.0167 % |
| CBC | <0.250 mg/g |
| THCVA | None detected at detection limit of 0.0042 % |
| CBNA | None detected at detection limit of 0.0042 % |
| CBCA | None detected at detection limit of 0.0167 % |
| CBL | None detected at detection limit of 0.0042 % |
| Total Cannabinoids | 102 mg/g |
| Total THC (THC + (THCA x 0.877)) | Not Detected mg/g |
| Total CBD (CBD + (CBDA x 0.877)) | 87.1 mg/g |
| Calculated Sample Weight * | |
| Entity Weight | 0.5553 g |

* This analysis or component is not ISO accredited.

Certificate of Analysis

| | | | |
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| Sample Serving Size | 1 Softgel | Date Started | 25-Jan-2022 |
| | | Sampled | Sample results apply as received |
| | | Number Composited | 10 |
| | | Online Order | 19321-16B19594 |

| Analysis | Result | | |
|---|------------------|--------|-----------|
| Calculated Sample Weight * | | | |
| Entity Fill Weight | 0.3771 g | | |
| Entity Weight | 0.5553 g | | |
| Aerobic Plate Count * | | | |
| Aerobic Plate Count | <100 CFU/g | | |
| E. coli * | | | |
| Escherichia Coli | Absent /25 g | | |
| Salmonella USP * | | | |
| Salmonella | Absent /25 g | | |
| Staphylococcus * | | | |
| Staphylococcus Aureus | Absent /25 g | | |
| Yeast and Mold Count * | | | |
| Combined Yeast and Mold Count | <100 CFU/g | | |
| Preparatory Testing of Nutritional and Dietary Supplements * | | | |
| Salmonella Suitability Result | PASS | | |
| Staphylococcus Suitability Result | PASS | | |
| E. coli Suitability Result | PASS | | |
| Aerobic Plate Suitability Result | PASS | | |
| Total Combined Yeast-Molds Count | PASS | | |
| Elements by ICP Mass Spectrometry | | | |
| Arsenic | <0.0000100 mg/g | | |
| Cadmium | <0.00000500 mg/g | | |
| Lead | <0.00000500 mg/g | | |
| Mercury | <0.00000500 mg/g | | |
| Analysis | Limit | Result | Pass/Fail |

Mycotoxins in Raw Materials

| | |
|--------------|------------------|
| Aflatoxin B1 | <0.00000100 mg/g |
| Aflatoxin B2 | <0.00000100 mg/g |
| Aflatoxin G1 | <0.00000100 mg/g |
| Aflatoxin G2 | <0.00000100 mg/g |

* This analysis or component is not ISO accredited.

Prepared for:

JOY ORGANICS
SG25M


| | | | |
|--|--|----------------------------|---|
| Batch ID or Lot Number: 22062C | Test: Microbial Contaminants | Reported: 3/7/22 | Location: 5042 Technology Parkway Ste. 50 FT. COLLINS, CO 80528 |
|--|--|----------------------------|---|


| | | | |
|-----------------------------|------------------------|--------------------|----------------------|
| Matrix: Finished Product | Test ID: T000196000 | Started: 3/2/22 | USDA License: N/A |
|-----------------------------|------------------------|--------------------|----------------------|

| | | | |
|----------------|--|------------------------------------|--------------------|
| Status: N/A | Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial | Received: 03/02/2022 @ 10:54 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 | |
| STEC | TM-25, PCR | 10 ⁰ CFU/25 g | NA | NA | Absent | |
| Salmonella | TM-25, PCR | 10 ⁰ CFU/25 g | NA | NA | Absent | |


 Brianne Maillot
 3/5/2022
 2:09:00 PM


 Eden Thompson-Wright
 3/7/2022
 9:12:00 AM

PREPARED BY / DATE

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

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.



CDPHE Certified



Certificate #4329.02

Certificate of Analysis

| | | | |
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| Sample Serving Size | 1 Softgel | Date Started | 25-Jan-2022 |
| | | Sampled | Sample results apply as received |
| | | Number Composited | 10 |
| | | Online Order | 19321-16B19594 |

| Analysis | Limit | Result | Pass/Fail |
|--|-----------|-----------------|-----------|
| Mycotoxins in Raw Materials | | | |
| Ochratoxin A | 20 ppb | <0.0000100 mg/g | Pass |
| Sum of B1 B2 G1 and G2 | 20 ppb | <2.00 ppb | Pass |
| Multi-Residue Analysis for hemp products - BCC Pesticide List | | | |
| Abamectin | 0.3 mg/kg | non-analyzable | |
| Acephate | 5 mg/kg | <0.00010 mg/g | Pass |
| Acequinocyl | 4 mg/kg | <0.0010 mg/g | Pass |
| Acetamiprid | 5 mg/kg | <0.00010 mg/g | Pass |
| Aldicarb | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Aldicarb sulfone (Aldoxycarb) | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Aldicarb sulfoxide | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Azoxystrobin | 40 mg/kg | <0.00010 mg/g | Pass |
| Bifenazate | 5 mg/kg | <0.00010 mg/g | Pass |
| Bifenthrin | 0.5 mg/kg | <0.00010 mg/g | Pass |
| Boscalid | 10 mg/kg | <0.00010 mg/g | Pass |
| Captan | 5 mg/kg | <0.00020 mg/g | Pass |
| Carbaryl | 0.5 mg/kg | <0.00010 mg/g | Pass |
| Carbofuran | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Carbofuran-3-hydroxy- | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Chlorantraniliprole | 40 mg/kg | <0.00010 mg/g | Pass |
| Chlordane, cis- | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Chlordane, trans- | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Chlorfenapyr | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Chlorpyrifos | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Clofentezine | 0.5 mg/kg | <0.00010 mg/g | Pass |
| Coumaphos | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Cyfluthrin | 1 mg/kg | <0.00010 mg/g | Pass |
| Cypermethrin | 1 mg/kg | <0.00010 mg/g | Pass |
| Diazinon | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Dichlorvos | 0.1 mg/kg | <0.00010 mg/g | Pass |

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Certificate of Analysis

| | | | |
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| Analysis | Limit | Result | Pass/Fail |
|--|-----------|---------------|-----------|
| Multi-Residue Analysis for hemp products - BCC Pesticide List | | | |
| Dimethoate | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Dimethomorph | 20 mg/kg | <0.00010 mg/g | Pass |
| Ethoprophos | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Etofenprox | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Etoxazole | 1.5 mg/kg | <0.00010 mg/g | Pass |
| Fenoxycarb | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Fenpyroximate | 2 mg/kg | <0.00010 mg/g | Pass |
| Fipronil | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Fipronil desulfinyl | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Fipronil sulfone | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Fonicamid | 2 mg/kg | <0.00010 mg/g | Pass |
| Fludioxonil | 30 mg/kg | <0.00010 mg/g | Pass |
| Hexythiazox | 2 mg/kg | <0.00010 mg/g | Pass |
| Imazalil | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Imidacloprid | 3 mg/kg | <0.00010 mg/g | Pass |
| Kresoxim-methyl | 1 mg/kg | <0.00010 mg/g | Pass |
| Malathion | 5 mg/kg | <0.00010 mg/g | Pass |
| Metalaxyl | 15 mg/kg | <0.00010 mg/g | Pass |
| Methiocarb | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Methiocarb sulfone | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Methiocarb sulfoxide | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Methomyl | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Mevinphos | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Myclobutanil | 9 mg/kg | <0.00010 mg/g | Pass |
| Naled | 0.5 mg/kg | <0.00010 mg/g | Pass |
| Oxamyl | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Paclobutrazol | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Methyl parathion | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Pentachloroaniline | 0.2 mg/kg | <0.00010 mg/g | Pass |

* This analysis or component is not ISO accredited.

Certificate of Analysis

| | | | |
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| Sample Serving Size | 1 Softgel | Date Started | 25-Jan-2022 |
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| Analysis | Limit | Result | Pass/Fail |
|---|-----------|---------------|-----------|
| Multi-Residue Analysis for hemp products - BCC Pesticide List | | | |
| Pentachlorobenzene | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Pentachlorobenzonitrile | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Pentachlorothioanisole | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Permethrin | 20 mg/kg | <0.00010 mg/g | Pass |
| Phosmet | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Piperonylbutoxide | 8 mg/kg | <0.00010 mg/g | Pass |
| Prallethrin | 0.4 mg/kg | <0.0010 mg/g | Pass |
| Propiconazole (sum of isomers) | 20 mg/kg | <0.00010 mg/g | Pass |
| Propoxur | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Pyrethrins | 1 mg/kg | <0.0010 mg/g | Pass |
| Pyridaben | 3 mg/kg | <0.00010 mg/g | Pass |
| Pentachloronitrobenzene | 0.2 mg/kg | <0.00010 mg/g | Pass |
| Spinetoram | 3 mg/kg | <0.00010 mg/g | Pass |
| Spinosad | 3 mg/kg | <0.00010 mg/g | Pass |
| Spiromesifen | 12 mg/kg | <0.00010 mg/g | Pass |
| Spirotetramat | 13 mg/kg | <0.00010 mg/g | Pass |
| Spiroxamine | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Tebuconazole | 2 mg/kg | <0.00010 mg/g | Pass |
| Thiacloprid | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Thiamethoxam | 4.5 mg/kg | <0.00010 mg/g | Pass |
| Trifloxystrobin | 30 mg/kg | <0.00010 mg/g | Pass |
| The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42. | | - | |
| Prallethrin reporting limit is higher than BCC action level, but EPA tolerance is 1 ppm. | | - | |
| Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside | | | |
| Daminozide | 0.1 mg/kg | <0.00010 mg/g | Pass |
| Fenhexamid | 10 mg/kg | <0.00010 mg/g | Pass |

* This analysis or component is not ISO accredited.

Certificate of Analysis

| | | | |
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| Sample Name: | Joy Organics 25mg Sleep | Eurofins Sample: | 11373568 |
| Project ID | LACORE_NUT-20220124-0001 | Receipt Date | 25-Jan-2022 |
| PO Number | | Receipt Condition | Ambient temperature |
| Lot Number | 22BL04374 | Login Date | 24-Jan-2022 |
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| | | Number Composited | 10 |
| | | Online Order | 19321-16B19594 |

| Analysis | Limit | Result | Pass/Fail |
|---|-------|--------|-----------|
| Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside | | | |
| The Pass/Fail reporting designations are relative to the limits set forth by the Bureau of Cannabis Control, Title 16, Division 42. | | - | |

| Method References | Testing Location |
|-------------------|------------------|
|-------------------|------------------|

| | |
|---------------------------------------|---|
| Aerobic Plate Count (USPC2021) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|---------------------------------------|---|

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

| | |
|--|--|
| Calculated Sample Weight (PREP) | Food Integrity Innovation-Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|--|--|

| | |
|---------------------------|---|
| E. coli (USPE2022) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|---------------------------|---|

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

Certificate of Analysis

| Method References | Testing Location |
|-------------------|------------------|
|-------------------|------------------|

Elements by ICP Mass Spectrometry (ICP_MS_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, Method 2011.19 and 993.14, AOAC INTERNATIONAL, (Modified).
Paquette, L.H., Szabo, A., Thompson, J.J., "Simultaneous Determination of Chromium, Selenium, and Molybdenum in Nutritional Products by Inductively Coupled Plasma/Mass Spectrometry: Single-Laboratory Validation," Journal of AOAC International, 94(4): 1240 - 1252 (2011).

Industrial Hemp Cannabinoid Profile (IHCBD_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC 2018.11, AOAC International, Gaithersburg, MD (Modified).

Multi-Residue Analysis for hemp products - BCC Pesticide List (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Multi-Residue Analysis for hemp products - BCC Pesticides Fenhexamid and Daminoside (PEST_HEMP)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Official Methods of Analysis, AOAC Official Method 2007.01, Pesticide Residues in Foods by Acetonitrile Extraction and Partitioning with Magnesium Sulfate, AOAC INTERNATIONAL (modified).

CEN Standard Method EN 15662: Food of plant origin - Determination of pesticide residues using GC-MS and/or LC-MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method.

List of the tested pesticides and their limits of quantification (LOQs) are available upon request.

Mycotoxins in Raw Materials (MYCO_REG_S)

Food Integrity Innovation-Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

Varga, E., Glauner, T., Koppen, R., Mayer, K., Sulyok, M., Schumacher, R., Krska, R. and Berthiller, F., "Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS," Analytical and BioAnalytical Chemistry, 402:2675-2686 (2012).

Preparatory Testing of Nutritional and Dietary Supplements (USPA_PT)

Eurofins Micro Lab - Madison

6304 Ronald Reagan Ave Madison, WI 53704 USA

* This analysis or component is not ISO accredited.

Printed: 04-Feb-2022 9:32 pm

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Certificate of Analysis

| Method References | Testing Location |
|-------------------|------------------|
|-------------------|------------------|

| | |
|--|---|
| Preparatory Testing of Nutritional and Dietary Supplements (USPC_PT) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|--|---|

| | |
|--|---|
| Preparatory Testing of Nutritional and Dietary Supplements (USPE_PT) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|--|---|

| | |
|--|---|
| Preparatory Testing of Nutritional and Dietary Supplements (USPM_PT) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|--|---|

| | |
|--|---|
| Preparatory Testing of Nutritional and Dietary Supplements (USPS_PT) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|--|---|

| | |
|----------------------------------|---|
| Salmonella USP (USPS2022) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|----------------------------------|---|

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

| | |
|----------------------------------|---|
| Staphylococcus (USPA2022) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|----------------------------------|---|

USP Current revision, Chapter 2022.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, conditions stipulated are adequate for detecting the presence of the specified microorganism.

| | |
|--|---|
| Yeast and Mold Count (USPM2021) | Eurofins Micro Lab - Madison 6304 Ronald Reagan Ave Madison, WI 53704 USA |
|--|---|

USP Current revision, Chapter 2021.

To satisfy the requirements of the USP, the Preparatory Test must be completed on each matrix.

**Based on the results of the preparatory test, the detection limit stipulated is adequate for the enumeration of the specified microorganisms.

Certificate of Analysis

Testing Location(s)**Released on Behalf of Eurofins by****Food Integrity Innovation-Madison**

Edward Ladwig - President Eurofins Food
Chemistry Testing Madison

Eurofins Food Chemistry Testing Madison, Inc.
6304 Ronald Reagan Ave
Madison WI 53704
800-675-8375



2918.01

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Eurofins. Measurement uncertainty for individual analyses can be obtained upon request.

Analytical Report

Report Date: 02/01/2022

Work Order: CHSG220118-016

Received Date: 01/18/2022

P.O. #:

Comments:

Sample Num: 22CH00469


Lot Number: 22BL04374

Client Sample Num: Joy Organic 25mg Sleep

Comments:

| <u>Analysis</u> | <u>Method Reference</u> | <u>Result</u> | <u>Unit</u> | <u>Analysis Date</u> | <u>Approval Date</u> |
|-----------------|-------------------------|---------------|-------------|----------------------|----------------------|
| Melatonin | USP Assay Melatonin | 3.35 | mg/svg | 01/27/2022 | 01/31/2022 |

Reviewed by:


Cheri Turman, PhD., Vice President



C0207-001

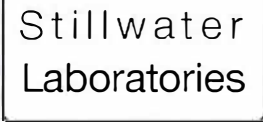
sample ID 25809

7USC1639 Certificate of Analysis

certificate ID 1BJ61

total cannabinoids 93.01%

This Product Has Been Tested and Complies with 7USC1639o(1)



THC total ND CBD total 87.33% terpenes

MSP-7513

order 9806

analysis date 2/11/2021 12:21:52 PM

test tag 9806 2

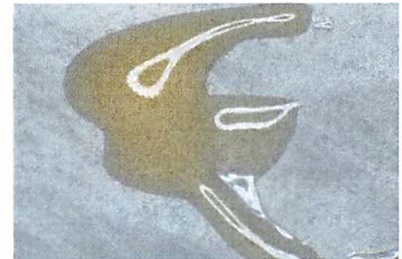
sample wgt

extract

Inspection MSP-7512

DESCRIPTION: Concentrate sample received in a client-labeled bottle, by commercial courier. Labeled 25809 and sample tag 9806 2

- caryophyllene
humulene
terpinolene
ocimene
beta pinene
alpha pinene
limonene
myrcene
linalool



Potency per

Table with columns: Component, LOD, LOQ, Error (95% CI, k=2). Rows include tetrahydrocannabinolic acid (THCa), delta-9-tetrahydrocannabinol (delta-9 THC), delta-8-tetrahydrocannabinol (delta-8 THC), tetrahydrocannabivarin (THCv), cannabidiolic acid (CBDa), cannabidiol (CBD), cannabidivarin (CBDv), cannabigerolic acid (CBGa), cannabigerol (CBG), cannabinal (CBN), and cannabichromene (CBC).

Terpenes

MSP-7514, MSP-7515, MSP-7516

† = decarbed NT = not tested NIL = no limit ND = not detected LOD = detection limit LOQ = quantitation limit

Main testing results table with columns: Category (Microbial, Solvents, Metals, Pesticides), Method (MSP-7510, MSP-7511, MSP-7513), Result (PASS, limit), and Limit values.

INSTRUMENTS
potency: HPLC (LC2030C-UV)
terpenes: GCMS (QP2020HS20)
solvents: GCMS (QP2020HS20)
pesticides: LCMSMS (LC8060)
mycotoxins: LCMSMS (LC8060)
microbial: qPCR (AriaMx) and plating
metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by: [Signature]

Kyle Larson, MSc (Biology)
Deputy Director

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Certificate #4961 01
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