LEXACHROM
analytical laboratory

Lexachrom Analytical Laboratory
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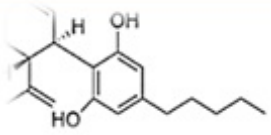
OCM License: OCM-CPL-00002

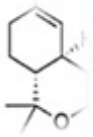
# CERTIFICATE OF ANALYSIS SUMMARY SHEET

## Sample Information

| | |
|---|---|
| **BATCH ID:** | MXG-BB-1G-090624 |
| SAMPLE TYPE: | Concentrates |
| PRODUCT TYPE: | Adult-Use |
| ANALYSIS TYPE: | Compliance |
| BATCH SIZE: | 1203.0 |

## Potency



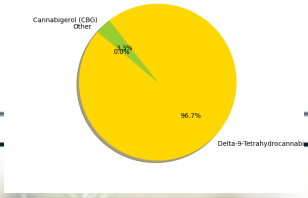




Total THC

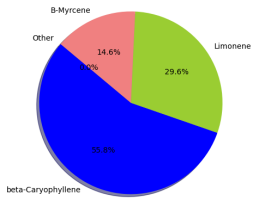
**93.79%**

Cannabinoid Profile:

**NA**




## Terpene Profile



## Pesticides

PASS

## Metals

PASS

## Microbiology

| | | |
|---|---|---|
| TAMC | Salmonella | STEC |
| PASS | PASS | PASS |
| TYMC | Aspergillus (flavus, terreus, fumigatus, niger) | |
| PASS | PASS | |

## Water Activity

PASS

## Filth & Foreign Material

PASS

## Residual Solvents

PASS

NEW YORK STATE | Office of Cannabis Management

License: OCM-CPL-00002

PJLA Testing

CERTIFIED ISO/IEC 17025:2017 COMPANY

ilac-MRA

# Lexachrom Analytical Laboratory- NYS OCM Permit #OCM-CPL-00002

## Certificate of Analysis

**Contact person: Alexander S. Woodmass**

**Phone number: (516) 415-7535**

**30 S Ocean Ave, Suite 203, Freeport, NY 11520, USA**

## Client Information

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Client ID:** | GROWER_22 | **First Name:** | David | **Last Name:** | Sholes | **Facility Name:** | Hauppauge |
| **Entry Date:** | 2021-01-01 00:00:00 | **License Number:** | OCM-PROC-24-000047 | **Email:** | David@Libertyleaf-Ny.Com | **Phone No.:** | (424) 303-8027 |
| **Address:** | 415 Oser Ave | **Country:** | United States | | | | |

## Sample Information

| | | | | | |
|---|---|---|---|---|---|
| **Batch Size:** | 1203.0 | **Sample ID [External]:** | Pool MXG-BB-1G-090624 | **Sample Type:** | Concentrates |
| **Batch ID:** | MXG-BB-1G-090624 | **Analysis Type:** | Compliance | **Product Type:** | Adult-Use |
| **Collection Date:** | 2024-09-12 00:00:00 | **Collection Time:** | 19:38:00 | **Collection Site:** | Hauppauge |

## Test Information: Chemistry/ HPLC Potency

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA001 | Chemistry_HPLC Potency | Chemistry | HPLC Potency |

## Analytes and Results: Chemistry/ HPLC Potency

PASS

| Analyte Name | LOQ* (µg/mL) | Mass (mg/dose) | %Weight (%Cs) |
|---|---|---|---|
| Cannabichromene (CBC) | 0.627 | <LOQ | < 0.23% |
| Cannabidiol (CBD) | 0.608 | <LOQ | < 0.24% |
| Cannabidiolic Acid (CBDA) | 0.713 | <LOQ | < 0.47% |
| Cannabidivarin (CBDV) | 0.691 | <LOQ | < 0.64% |
| Cannabigerol (CBG) | 0.634 | 0.33 | 3.15% |
| Cannabigerolic Acid (CBGA) | 0.704 | <LOQ | < 0.5% |
| Cannabinol (CBN) | 0.637 | <LOQ | < 0.3% |
| Delta-9-Tetrahydrocannabinol (D9-THC) | 0.660 | 9.11 | 90.40% |
| Delta-8-Tetrahydrocannabinol (D8-THC) | 0.712 | <LOQ | < 0.24% |
| (6aR, 9S)Delta-10-Tetrahydrocannabinol (9SD10-THC) | 0.557 | <LOQ | < 0.68% |
| (6aR, 9R)Delta-10-Tetrahydrocannabinol (9RD10-THC) | 0.612 | <LOQ | < 0.35% |
| Tetrahydrocannabinolic Acid (THCA) | 0.795 | <LOQ | < 0.61% |
| Tetrahydrocannabivarin (THCV) | 0.681 | <LOQ | < 0.27% |
| Total Tetrahydrocannabinol (Total-THC) | | 9.10 | 93.79% |
| Total Cannabidiol (Total-CBD) | | <LOQ | < 0.58% |

Sample Testing Result: Pass

**Analysis Date: 2024-09-17 00:00:00**

Analysis Time: 08:55:00

Notes/Comments: Sampling/Digestion/Extraction In Accordance With Method SOP LEXA001

**Notes/ Comments: *Limit of Quantitation (LOQ). The concentration of an analyte that can be reported within the accuracy and precision limits defined by the method. The LOQ can be no lower than the lowest calibration standard used in the analysis.**

## Test Information: Cannabis Testing/ Moisture Content

| Test Method |
|---|
| SOP LEXA041 |

## Analytes and Results: Cannabis Testing/ Moisture Content PASS

| Analyte Name | Amount |
|---|---|
| Moisture Content (%) | **NA** |
| Adjusted Dry Mass Of Dose (Mg) | **10.0** |

Analysis Date: None

Analysis Time: None

Notes/Comments: Test Limits: 5.0-15.0%

## Test Information: Cannabis Testing/ Water Activity

| Test Method |
|---|
| SOP LEXA042 |

## Analytes and Results: Cannabis Testing/ Water Activity PASS

| Analyte Name | aW |
|---|---|
| Water Activity | **NA** |

Analysis Date: None

Analysis Time: None

Notes/Comments: Test Limits: Flower (<=0.65 Units); Edibles (<=0.85 Units)

## Test Information: Cannabis Testing/ Filth & Foreign Material

| Test Method |
|---|
| SOP LEXA043 |

## Analytes and Results: Cannabis Testing/ Filth & Foreign Material PASS

| Analyte Name | Amount |
|---|---|
| Mammalian Excreta (Mg) | **NA** |
| Foreign Material (%) | **NA** |

Analysis Date: None

Analysis Time: None

Notes/Comments: Test Limits: Mammalian Excreta - Not More Than An Average Of 1mg Or More Per Pound; Foreign Material - Not More Than An Average Of 5% Of Stems 3 Mm Or More In Diameter Or More By Weight And Not More Than 2% Of Other Foreign Matter.

## Test Information: Cannabis Testing/ Metals

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA005 | Cannabis Testing_Metals | Cannabis Testing | Metals |

## Analytes and Results: Cannabis Testing/ Metals

PASS

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Antimony (Sb) | 0.0007 | <LOQ | Pass |
| Arsenic | 0.0006 | <LOQ | Pass |
| Cadmium | 0.0006 | <LOQ | Pass |
| Chromium | 0.0008 | 1.205 | Pass |
| Copper | 0.0008 | <LOQ | Pass |
| Lead | 0.0005 | 0.094 | Pass |
| Mercury | 0.0002 | <LOQ | Pass |
| Nickel | 0.0008 | 0.047 | Pass |

Analysis Date: 2024-09-16 00:00:00

Analysis Time: 11:23:00

**Notes/Comments: **Limit of Quantitation (LOQ). The concentration of an analyte that can be reported within the accuracy and precision limits defined by the method. The LOQ can be no lower than the lowest calibration standard used in the analysis.**

## Test Information: Cannabis Testing/ Mycotoxins

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA002 | Cannabis Testing_Mycotoxins | Cannabis Testing | Mycotoxins |

## Analytes and Results: Cannabis Testing/ Mycotoxins

PASS

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Aflatoxin B2 | 0.00141 | <LOQ | Pass |
| Aflatoxin B1 | 0.00099 | <LOQ | Pass |
| Ochratoxin A | 0.00113 | <LOQ | Pass |
| Aflatoxin G1 | 0.00129 | <LOQ | Pass |
| Aflatoxin G2 | 0.00114 | <LOQ | Pass |
| Acequinocyl | 0.04400 | <LOQ | Pass |
| Bifenthrin | 0.03800 | <LOQ | Pass |
| Cypermethrin | 0.03500 | <LOQ | Pass |
| Diazinon | 0.04900 | <LOQ | Pass |
| Malathion | 0.03800 | <LOQ | Pass |
| Naled | 0.03700 | <LOQ | Pass |

*Continued...*

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Permethrins, Total | 0.04300 | <LOQ | Pass |
| Prallethrin | 0.03800 | <LOQ | Pass |
| Pyrethrins | 0.04200 | <LOQ | Pass |
| Spiromesifen | 0.03900 | <LOQ | Pass |
| Myclobutanil (Systhane) | 0.04200 | <LOQ | Pass |
| Tebuconazole | 0.04300 | <LOQ | Pass |
| MGK-264 | 0.04100 | <LOQ | Pass |
| Chlormequat Chloride | 0.04300 | <LOQ | Pass |
| Clofentezine | 0.02800 | <LOQ | Pass |
| Fenhexamid | 0.04300 | <LOQ | Pass |
| Oxamyl | 0.03700 | <LOQ | Pass |
| Spinosad | 0.03400 | <LOQ | Pass |
| Spirotetramat | 0.03300 | <LOQ | Pass |
| Ethoprop | 0.04500 | <LOQ | Pass |
| Methiocarb | 0.04800 | <LOQ | Pass |
| Spinetoram | 0.04100 | <LOQ | Pass |
| Abamectin | 0.09500 | <LOQ | Pass |
| Acephate | 0.07300 | <LOQ | Pass |
| Aldicarb | 0.08700 | <LOQ | Pass |
| Bifenazate | 0.07400 | <LOQ | Pass |
| Boscalid | 0.07300 | <LOQ | Pass |
| Carbaryl | 0.09000 | <LOQ | Pass |
| Carbofuran | 0.07600 | <LOQ | Pass |
| Chlorantraniliprole | 0.07000 | <LOQ | Pass |
| Coumaphos | 0.08300 | <LOQ | Pass |
| Dimethoate | 0.06700 | <LOQ | Pass |
| Dimethomorph | 0.06000 | <LOQ | Pass |
| Etofenprox | 0.09600 | <LOQ | Pass |
| Fenoxycarb | 0.07000 | <LOQ | Pass |
| Fenpyroximate | 0.07600 | <LOQ | Pass |
| Fipronil | 0.06100 | <LOQ | Pass |
| Flonicamid | 0.07800 | <LOQ | Pass |
| Hexythiazox | 0.07400 | <LOQ | Pass |
| Imazalil | 0.08300 | <LOQ | Pass |
| Imidacloprid | 0.05800 | <LOQ | Pass |
| Kresoximmethyl | 0.08700 | <LOQ | Pass |
| Metalaxyl | 0.07600 | <LOQ | Pass |
| Methomyl | 0.06100 | <LOQ | Pass |
| Mevinphos | 0.08100 | <LOQ | Pass |
| Myclobutanil | 0.07800 | <LOQ | Pass |
| Paclobutrazol | 0.07500 | <LOQ | Pass |
| Piperonyl Butoxide | 0.07500 | <LOQ | Pass |
| Pyridaben | 0.07000 | <LOQ | Pass |
| Spiroxamine | 0.07300 | <LOQ | Pass |
| Thiamethoxam | 0.05400 | <LOQ | Pass |
| Trifloxystrobin | 0.10200 | <LOQ | Pass |

*Continued...*

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Acetamiprid | 0.13000 | <LOQ | Pass |
| Azoxystrobin | 0.13200 | <LOQ | Pass |
| Dichlorvos | 0.13200 | <LOQ | Pass |
| Etoxazole | 0.09000 | <LOQ | Pass |
| Fludioxonil | 0.13000 | <LOQ | Pass |
| Thiacloprid | 0.13600 | <LOQ | Pass |

Analysis Date: 2024-09-17 00:00:00

Analysis Time: 09:22:00

Notes/Comments:

## Test Information: Cannabis Testing/ PGRs and Pesticides

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA003 | Cannabis Testing_PGRs And Pesticides | Cannabis Testing | PGRs And Pesticides |

## Analytes and Results: Cannabis Testing/ PGRs and Pesticides

PASS

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| IBA | 0.0708 | <LOQ | Pass |
| Azadirachtin | 0.0674 | <LOQ | Pass |
| Piperonyl Butoxide (PBO) | 0.0488 | <LOQ | Pass |
| Cyfluthrin | 0.035 | <LOQ | Pass |
| Chlordane | 0.036 | <LOQ | Pass |
| Chlorfenapyr | 0.101 | <LOQ | Pass |

Analysis Date: 2024-09-18 00:00:00

Analysis Time: 17:12:00

Notes/Comments:

## Test Information: Cannabis Testing/ Natural Pyrethrins

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA004 | Cannabis Testing_Natural Pyrethrins | Cannabis Testing | Natural Pyrethrins |

## Analytes and Results: Cannabis Testing/ Natural Pyrethrins

PASS

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Pyrethrin I | 0.000318 | <LOQ | Pass |
| Jasmolin I | 0.0000610 | <LOQ | Pass |

*Continued...*

| Analyte Name | LOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Cinerin I | 0.000067 | <LOQ | Pass |
| Pyrethrin II | 0.0061 | <LOQ | Pass |
| Jasmolin II | 0.00087 | <LOQ | Pass |
| Cinerin II | 0.00141 | <LOQ | Pass |
| Captan | 0.047 | <LOQ | Pass |
| Methyl Parathion | 0.037 | <LOQ | Pass |
| Pentachloronitrobenzene | 0.043 | <LOQ | Pass |

**Analysis Date: 2024-09-18 00:00:00**
**Analysis Time: 13:35:00**

**Notes/Comments:**

## Test Information: Cannabis Testing/ Microbials QLT

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA044 | Cannabis Testing_Microbials QLT | Cannabis Testing | Microbials QLT |

## Analytes and Results: Cannabis Testing/ Microbials QLT

PASS

| Analyte Name | Result | Status |
|---|---|---|
| STEC | Negative | Pass |
| Salmonella Spp. | Negative | Pass |

Analysis Date: 2024-09-13 00:00:00

Analysis Time: 13:34:00

Notes/Comments:

## Test Information: Cannabis Testing/ Microbials QNT

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA006, LEXA008 And LEXA044 | Cannabis Testing_Microbials QNT | Cannabis Testing | Microbials QNT |

## Analytes and Results: Cannabis Testing/ Microbials QNT

PASS

| Analyte Name | Result | CFU/g | Ct Value | Status |
|---|---|---|---|---|
| Total Viable Aerobic Bacteria Count | Not Detected | LT10 | N/A | Pass |
| Total Yeast And Mold Count | Not Detected | LT10 | N/A | Pass |
| STEC | Negative | N/A | N/A | Pass |
| Salmonella Spp. | Negative | N/A | N/A | Pass |

Analysis Date: 2024-09-18 00:00:00

Analysis Time: 14:30:00

**Notes/Comments: I**

## Test Information: Cannabis Testing/ Residual Solvents

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA045 | Cannabis Testing_Residual Solvents | Cannabis Testing | Residual Solvents |

## Analytes and Results: Cannabis Testing/ Residual Solvents

PASS

| Analyte Name | LLOQ (ppm) | Amount (ppm) | Status |
|---|---|---|---|
| Acetone | 62.5 | <LOQ | Pass |
| Acetonitrile | 62.5 | <LOQ | Pass |
| Total Butane | 62.5 | <LOQ | Pass |
| Ethanol | 62.5 | <LOQ | Pass |
| Ethyl Acetate | 62.5 | <LOQ | Pass |
| Diethyl Ether | 62.5 | <LOQ | Pass |
| N-Heptane | 62.5 | <LOQ | Pass |
| 2-Propanol | 62.5 | <LOQ | Pass |
| Methanol | 62.5 | <LOQ | Pass |
| Total Hexane | 62.5 | <LOQ | Pass |
| Total Pentane | 62.5 | <LOQ | Pass |
| DMSO | 62.5 | <LOQ | Pass |
| Trichloroethane | 62.5 | <LOQ | Pass |
| Propane | 62.5 | <LOQ | Pass |
| Toluene | 62.5 | <LOQ | Pass |
| Total Xylenes | 62.5 | <LOQ | Pass |
| Isobutane | 62.5 | <LOQ | Pass |
| 1,2-Dichloroethane | 0.156 | <LOQ | Pass |
| Benzene | 0.156 | <LOQ | Pass |
| Chloroform | 0.156 | <LOQ | Pass |
| Methylene Chloride | 0.156 | <LOQ | Pass |

Analysis Date: 2024-09-18 00:00:00

Analysis Time: 11:38:00

Notes/Comments:

## Test Information: Cannabis Testing/ Aspergillus Specific

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA012 And SOP LEXA017 | Cannabis Testing_Aspergillus Spec | Cannabis Testing | Aspergillus Spec |

*Continued...*

## Analytes and Results: Cannabis Testing/ Aspergillus Specific

PASS

| Analyte Name | Result | CFU/g | Ct Value | Status |
|---|---|---|---|---|
| Aspergillus Flavus | Negative | N/A | N/A | Pass |
| Aspergillus Fumigatus | Negative | N/A | N/A | Pass |
| Aspergillus Niger | Negative | N/A | N/A | Pass |
| Aspergillus Terreus | Negative | N/A | N/A | Pass |

Analysis Date: 2024-09-18 00:00:00

Analysis Time: 10:49:00

Notes/Comments:

**Notes/ Comments: Samples are pooled as needed for microbiological testing. For these tests only one result is reported, which is the same for all specimens**

## Test Information: Cannabis Testing/ Terpenes

| Test Method | Type | Group | Code |
|---|---|---|---|
| SOP LEXA046 | Cannabis Testing_Terpenes | Cannabis Testing | Terpenes |

## Analytes and Results: Cannabis Testing/ Terpenes

PASS

| Analyte Name | LOQ (ppm) | Weight (%) |
|---|---|---|
| Beta-Pinene | 15.8 | < 3.087 |
| Camphene | 15.9 | < 2.455 |
| Alpha-Pinene | 13.2 | < 2.646 |
| 3-Carene | 17.1 | < 2.653 |
| Alpha-Terpinene | 17.1 | < 2.83 |
| (R)-(+)-Limonene | 11.3 | 0.288 |
| Gamma-Terpinene | 19 | < 2.933 |
| L-(-)-Fenchone | 17.9 | < 2.77 |
| Fenchol | 19.1 | < 2.942 |
| (1R)-(+)-Camphor | 15.3 | < 2.378 |
| Isoborneol | 16.8 | < 2.602 |
| Menthol | 20 | < 3.083 |
| Citronellol | 19.2 | < 2.968 |
| (+)-Pulegone | 18.4 | < 2.849 |
| Geranyl Acetate | 18.3 | < 2.836 |
| Alpha-Cedrene | 12.4 | < 1.92 |
| Alpha-Humulene | 18.1 | < 2.796 |
| Nerolidol | 16.5 | < 2.552 |
| (+)-Cedrol | 16.4 | < 2.538 |
| (-)-Alpha Bisabolol | 18.7 | < 2.897 |
| Beta-Caryophyllene | 18.2 | 0.361 |
| Phytol | 23 | < 3.554 |
| Limonene | 18.8 | 0.288 |
| Geraniol | 14 | < 2.163 |
| (1S)-(-)-Camphor | 18.8 | < 2.924 |

*Continued...*

| Analyte Name | LOQ (ppm) | Weight (%) |
|---|---|---|
| Terpinolene | 15 | < 2.32 |
| Beta-Eudesmol | 19.6 | 0.392 |
| (+)-Borneol | 20 | < 2.444 |
| Cis-Nerolidol | 14.9 | < 2.308 |
| (-)-Alpha-Terpineol | 18.3 | < 2.043 |
| (1S)-(+)-3-Carene | 17.6 | < 2.729 |
| Linalool | 17.9 | < 2.773 |
| P-Cymene | 16.1 | < 2.481 |
| B-Myrcene | 14.7 | < 3.043 |
| Ocimene | 17.2 | < 2.65 |
| Caryophyllene-Oxide | 18.4 | < 2.852 |
| Guaiol | 21.4 | < 3.317 |
| Valencene | 18.7 | < 2.884 |
| Alpha-Phellandrene | 19.6 | < 3.04 |
| Farnesene | 20.4 | < 3.168 |
| Total Terpenes | N/A | 1.86 |

Analysis Date: 2024-09-18 00:00:00

Analysis Time: 14:40:00

**Disclaimer**

All tests are conducted by Lexachrom Analytical Laboratory and the methods and results used conform to NYS OCM regulations and ISO/IEC 17025 standards. The results reported relate only to the samples as received and tested.
This Certificate of Analysis (CoA) shall not be reproduced in full without the written approval of Lexachrom Analytical Laboratory.

Alexander S. Woodmass
**CEO/ Lead Technical Director**
Report Date:
**2024-09-20 00:00:00**

Risikat Oladimeji
**Technical Director of Microbiology/QA Manager**
Report Date:
**2024-09-20 00:00:00**