



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

### Certificate of Analysis

Contact person: Alexander S. Woodmass

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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:	01/01/2021	License Number:	OCMAUCP-22-000029	Email:	David@Libertyleaf-Ny.Com	Phone No.:	(424) 303-8027
Address:	415 Oser Ave	Country:	United States				

#### Sample Information

Batch Size:	5000.0	Sample ID [External]:	Pool IPR-24007	Sample Type:	Flower
Batch ID:	IPR-24007	Analysis Type:	Compliance	Product Type:	Adult-Use
Collection Date:	07/17/2024	Collection Time:	09:46	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	< 9.3%
Cannabidiol (CBD)	0.608	0.09	1.04%
Cannabidiolic Acid (CBDA)	0.713	0.16	1.86%
Cannabidivarin (CBDV)	0.691	<LOQ	< 10.25%
Cannabigerol (CBG)	0.634	0.13	1.43%
Cannabigerolic Acid (CBGA)	0.704	0.11	1.22%
Cannabinol (CBN)	0.637	0.14	1.65%
Delta-9-Tetrahydrocannabinol (D9-THC)	0.660	0.23	2.63%
Delta-8-Tetrahydrocannabinol (D8-THC)	0.712	<LOQ	< 11.9%
(6aR, 9S)Delta-10-Tetrahydrocannabinol (9SD10-THC)	0.557	<LOQ	< 11.6%
(6aR, 9R)Delta-10-Tetrahydrocannabinol (9RD10-THC)	0.612	<LOQ	< 11.9%
Tetrahydrocannabinolic Acid (THCA)	0.795	2.70	30.67%
Tetrahydrocannabivarin (THCV)	0.681	<LOQ	< 10.1%
Total Tetrahydrocannabinol (Total-THC)		2.60	29.52%
Total Cannabidiol (Total-CBD)		0.23	2.67%

Sample Testing Result: Pass

Analysis Date: 07/22/2024

Analysis Time: 13:26



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
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Moisture Content (%) **12.10%**

Adjusted Dry Mass Of Dose (Mg) **4.395**

Analysis Date: 07/22/2024

Analysis Time: 09:29

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
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Water Activity **0.47**

Analysis Date: 07/22/2024

Analysis Time: 12:30

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
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Mammalian Excreta (Mg) **< average of 1mg/lb**

Foreign Material (%) **< 5%stems, <2%other FM**

Analysis Date: 07/22/2024

Analysis Time: 19:37

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	1.34	Pass
Copper	0.0008	<LOQ	Pass
Lead	0.0005	0.131	Pass
Mercury	0.0002	<LOQ	Pass
Nickel	0.0008	0.05	Pass

Analysis Date: 07/22/2024

Analysis Time: 10:34

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
Fonicamid	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

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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: 07/23/2024

Analysis Time: 16:54

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: 07/24/2024

Analysis Time: 11:32

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: {PyreAnDa}}

Analysis Time: {PyreAnTi}}

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: 07/19/2024

Analysis Time: 14:15

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	100.0	N/A	Pass
Total Yeast And Mold Count	Not Detected	LT100	N/A	Pass
STEC	Negative	N/A	N/A	Pass
Salmonella Spp.	Negative	N/A	N/A	Pass



Analysis Date: 07/24/2024

Analysis Time: 12:49

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** N/A

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

Analysis Date: None

Analysis Time: None

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: 07/24/2024

Analysis Time: 18:56

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	< 3.101
Camphene	15.9	< 2.469
Alpha-Pinene	13.2	< 2.657
3-Carene	17.1	< 2.657
Alpha-Terpinene	17.1	< 2.844
(R)-(+)-Limonene	11.3	0.185
Gamma-Terpinene	19	< 2.953
L-(-)-Fenchone	17.9	< 2.775
Fenchol	19.1	< 2.963
(1R)-(+)-Camphor	15.3	< 2.38
Isoborneol	16.8	< 2.607
Menthol	20	< 3.101
Citronellol	19.2	< 2.983
(+)-Pulegone	18.4	< 2.854
Geranyl Acetate	18.3	< 2.844
Alpha-Cedrene	12.4	< 1.926
Alpha-Humulene	18.1	< 2.815
Nerolidol	16.5	< 2.558
(+)-Cedrol	16.4	< 2.548
(-)-Alpha Bisabolol	18.7	< 2.904
Beta-Caryophyllene	18.2	0.212
Phytol	23	< 3.575
Limonene	18.8	0.185
Geraniol	14	< 2.173
(1S)-(-)-Camphor	18.8	< 2.923

*Continued...*



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Analyte Name	LOQ (ppm)	Weight (%)
Terpinolene	15	< 2.331
Beta-Eudesmol	19.6	0.369
(+)-Borneol	20	< 2.449
Cis-Nerolidol	14.9	< 2.311
(-)-Alpha-Terpineol	18.3	< 2.054
(1S)-(+)-3-Carene	17.6	< 2.736
Linalool	17.9	< 2.775
P-Cymene	16.1	< 2.499
B-Myrcene	14.7	< 3.042
Ocimene	17.2	< 2.667
Caryophyllene-Oxide	18.4	< 2.854
Guaiol	21.4	< 3.318
Valencene	18.7	< 2.904
Alpha-Phellandrene	19.6	< 3.042
Farnesene	20.4	< 3.17
Total Terpenes	N/A	1.24

Analysis Date: 07/23/2024

Analysis Time: 20:54

#### 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:  
**07/26/2024**

Risikat Oladimeji  
**Technical Director of Microbiology/QA Manager**

Report Date:  
**07/26/2024**