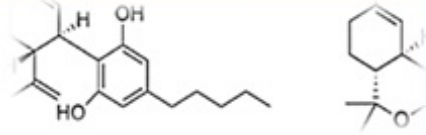


CERTIFICATE OF ANALYSIS SUMMARY SHEET

Sample Information

BATCH ID:	NSD-240821
SAMPLE TYPE:	Concentrates
PRODUCT TYPE:	Adult-Use
ANALYSIS TYPE:	Compliance
BATCH SIZE:	1963.0

Potency



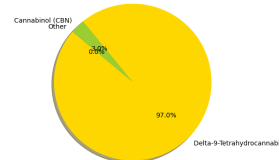
Total THC

89.07%

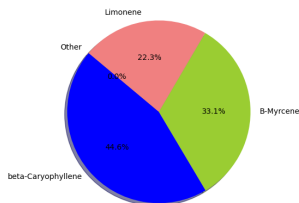
Cannabinoid Profile:

Moisture Content

NA



Terpene Profile



Pesticides



PASS

Metals



PASS

Microbiology

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

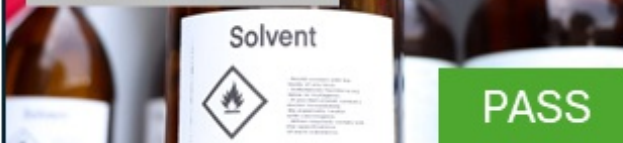
Water Activity

PASS

Filth & Foreign Material

PASS

Residual Solvents



PASS

**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:	01/01/2021	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:	1963.0	Sample ID [External]:	Pool NSD-240821	Sample Type:	Concentrates
Batch ID:	NSD-240821	Analysis Type:	Compliance	Product Type:	Adult-Use
Collection Date:	08/23/2024	Collection Time:	10:59	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	< 0.69%
Cannabidiol (CBD)	0.608	<LOQ	< 0.67%
Cannabidiolic Acid (CBDA)	0.713	<LOQ	< 0.78%
Cannabidivarin (CBDV)	0.691	<LOQ	< 0.76%
Cannabigerol (CBG)	0.634	<LOQ	< 0.69%
Cannabigerolic Acid (CBGA)	0.704	<LOQ	< 0.77%
Cannabinol (CBN)	0.637	0.27	2.75%
Delta-9-Tetrahydrocannabinol (D9-THC)	0.660	8.91	89.07%
Delta-8-Tetrahydrocannabinol (D8-THC)	0.712	<LOQ	< 0.81%
(6aR, 9S)Delta-10-Tetrahydrocannabinol (9SD10-THC)	0.557	<LOQ	< 0.79%
(6aR, 9R)Delta-10-Tetrahydrocannabinol (9RD10-THC)	0.612	<LOQ	< 0.81%
Tetrahydrocannabinolic Acid (THCA)	0.795	<LOQ	< 0.87%
Tetrahydrocannabivarin (THCV)	0.681	<LOQ	< 0.75%
Total Tetrahydrocannabinol (Total-THC)		8.91	89.07%
Total Cannabidiol (Total-CBD)		<LOQ	< 0.67%

Sample Testing Result: Pass

Analysis Date: 08/26/2024

Analysis Time: 10:25



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:	
Analysis Time:	
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:	
Analysis Time:	
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:	
Analysis Time:	
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	0.569	Pass
Copper	0.0008	<LOQ	Pass
Lead	0.0005	0.12	Pass
Mercury	0.0002	<LOQ	Pass
Nickel	0.0008	0.066	Pass

Analysis Date: 08/26/2024

Analysis Time: 18:40

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: 08/27/2024

Analysis Time: 18:58

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: 08/28/2024

Analysis Time: 10:16

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: 08/23/2024

Analysis Time: 10:35

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: 08/28/2024

Analysis Time: 08:12

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: 08/28/2024

Analysis Time: 19:23

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: 08/28/2024

Analysis Time: 07:34

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	< 3.091
Camphene	15.9	< 2.461
Alpha-Pinene	13.2	< 2.648
3-Carene	17.1	< 2.648
Alpha-Terpinene	17.1	< 2.835
(R)-(+)-Limonene	11.3	0.214
Gamma-Terpinene	19	< 2.944
L-(-)-Fenchone	17.9	< 2.766
Fenchol	19.1	< 2.954
(1R)-(+)-Camphor	15.3	< 2.373
Isoborneol	16.8	< 2.599
Menthol	20	< 3.091
Citronellol	19.2	< 2.973
(+)-Pulegone	18.4	< 2.845
Geranyl Acetate	18.3	< 2.835
Alpha-Cedrene	12.4	< 1.92
Alpha-Humulene	18.1	< 2.806
Nerolidol	16.5	< 2.55
(+)-Cedrol	16.4	< 2.54
(-)-Alpha Bisabolol	18.7	< 2.894
Beta-Caryophyllene	18.2	0.317
Phytol	23	< 3.564
Limonene	18.8	0.214
Geraniol	14	< 2.166
(1S)-(-)-Camphor	18.8	< 2.914

Continued...



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Analyte Name	LOQ (ppm)	Weight (%)
Terpinolene	15	< 2.323
Beta-Eudesmol	19.6	0.428
(+)-Borneol	20	< 2.442
Cis-Nerolidol	14.9	< 2.304
(-)-Alpha-Terpineol	18.3	< 2.048
(1S)-(+)-3-Carene	17.6	< 2.727
Linalool	17.9	< 2.766
P-Cymene	16.1	< 2.491
B-Myrcene	14.7	< 3.032
Ocimene	17.2	< 2.658
Caryophyllene-Oxide	18.4	< 2.845
Guaiol	21.4	< 3.308
Valencene	18.7	< 2.894
Alpha-Phellandrene	19.6	< 3.032
Farnesene	20.4	< 3.16
Total Terpenes	N/A	1.55

Analysis Date: 08/27/2024

Analysis Time: 20:51

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:
09/04/2024

Risikat Oladimeji
Technical Director of Microbiology/QA Manager

Report Date:
09/04/2024