

OFFICIAL CERTIFICATE OF ANALYSIS SUMMARY

SAMPLE INFORMATION

Client Name Green Meadows Farm, LLC
Retail Name Flower - Larry Lovestein #1
METRC ID 1A40A010000684D000000029
Metrc Src Pkg 1A40A010000684D000000025
Batch ID 071723LALMFLW1
Prod Batch ID 1A40A010000684D000000025
Manifest ID VM3938
CDX Sample ID VM128063 **Sample Type** Flower
Report Date 8/6/2023

TESTS

RESULT

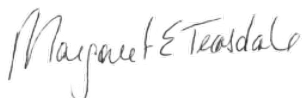
% Water (w/w) 5.33 %
Microbials PASS
Mycotoxins PASS
Heavy Metals PASS
Pesticides PASS
Solvents
Vitamin E

CANNABINOIDS

Cannabinoid	% (w/w)	mg/g	
CBDV	NOT DETECTED	NOT DETECTED	
CBDA	0.0894	0.894	
CBGA	0.852	8.52	
CBG	0.0542	0.542	
CBD	NOT DETECTED	NOT DETECTED	
THCV	NOT DETECTED	NOT DETECTED	
THCVA	0.124	1.24	
CBN	NOT DETECTED	NOT DETECTED	
D9 THC	0.447	4.47	
D8 THC	0.049	0.49	
CBC	NOT DETECTED	NOT DETECTED	
THCA	25.6	256	
Total	27.2	272	Graph shown in logarithmic scale

Narrative

This summary page must be accompanied with the Official Certificate of Analysis to constitute a complete report. "Tests" categories only include analyses regulated by the Massachusetts Cannabis Control Commission. The designation of a result is based on the level of analyte present in the sample, minus measurement uncertainty, compared to the allowable limit enforced by the Massachusetts Cannabis Control Commission.



Margaret E. Teasdale, Ph.D.
Chief Science Officer

OFFICIAL CERTIFICATE OF ANALYSIS

RMD INFORMATION

Name Green Meadows Farm, LLC
Address 64 Mill Street, Southbridge, MA, 01550

METRC ID 1A40A010000684D000000029

Batch ID 071723LALMFLW1

Prod Batch ID 1A40A010000684D000000025

Retail Name Flower - Larry Lovestein #1

SAMPLE IDENTIFICATION

Manifest Number VM3938

CDX Sample ID VM128063

Sample Weight 4.5

Sample Type Flower

REPORT INFORMATION

Date Received 8/2/2023

Report Date 8/6/2023

REQUESTED TESTS

☒ Cannabinoids

☒ Terpenes

☒ Heavy Metals

☒ Microbials

☒ Mycotoxins

☒ Pesticides

☐ Solvents

☐ Vitamin E

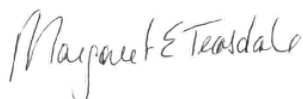
☐ Viroids

NOTES

Narrative

Report of this sample signifies successful receipt, preparation, and analytical analysis of the referenced sample without non-conformances or exceedances of QA/QC criteria which can be provided upon request. The information provided in this report is compliant with the methods utilized and is accurate and complete. Methods utilized for preparation and analysis are cited in each test section. Methods for Cannabinoids and Terpenes analysis have been aligned to the AOAC standard method. Measurement of uncertainty has been accounted for and is available upon request.

CDX Analytics, LLC ("CDX") performs analytical testing of plant material and other medical marijuana products and marijuana infused products (MIPs) to comply with Massachusetts regulation 1-5 CMR725.000, Implementation of an Act for the Humanitarian Medical Use of Marijuana. Samples received from CDX clients are assumed to comply with the provisions in the "Protocol for Sampling and Analysis of Finished Medical Marijuana Products and Marijuana-Infused Products for Massachusetts Registered Medical Marijuana Dispensaries." CDX is not responsible for the sale of non-compliant products by the client and the client shall indemnify and hold CDX and its affiliates harmless of any and all claims, losses, and damages related to client's sale of non-compliant cannabis-related product. The results on this Certificate of Analysis relate only to the items tested.



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WATER CONTENT % (w/w)

Result: 5.33

Analytical Method: Karl Fischer Titration

Lab SOP #:259

Analyst Detail: sferreira

Date: 8-3-2023

CANNABINOIDS

LOQ = 0.433mg/g

Cannabinoid	% (w/w)	mg/g	
CBDV	NOT DETECTED	NOT DETECTED	
CBDA	0.0894	0.894	
CBGA	0.852	8.52	
CBG	0.0542	0.542	
CBD	NOT DETECTED	NOT DETECTED	
THCV	NOT DETECTED	NOT DETECTED	
THCVA	0.124	1.24	
CBN	NOT DETECTED	NOT DETECTED	
D9 THC	0.447	4.47	
D8 THC	0.049	0.49	
CBC	NOT DETECTED	NOT DETECTED	
THCA	25.6	256	
Total	27.2	272	Graph shown in logarithmic scale

Analytical Method: LC-UV

Lab SOP #:251

Analyst Detail: ahart

Date: 8-3-2023

AOAC % Water Content: 7.58

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TERPENES % (w/w)				LOQ = .0434% (w/w)	
Terpene	Result		Terpene	Result	Graph shown in logarithmic scale
1 α-Bisabolol	0.0836		12 β-Myrcene	0.536	
Borneol			13 cis-Nerolidol	NOT DETECTED	
2 Camphene	NOT DETECTED		14 trans-Nerolidol	0.675	
3 3-Carene	NOT DETECTED		Nootkatone		
Carvacrol			15 cis-Ocimene	NOT DETECTED	
Carvone			16 trans-Ocimene	NOT DETECTED	
4 β-Caryophyllene	0.522		Octyl Acetate		
Caryophyllene Oxide			α -Phellandrene		
α -Cedrene			Phytane		
Cedrol			17 α-Pinene	NOT DETECTED	
Eucalyptol			18 β-Pinene	0.0486	
Citral			Piperitone		
trans- β -Farnesene			Pulegone		
Farnesol isomer 1			Sabinene		
Farnesol isomer 2			Sabinene Hydrate		
Fenchone			Safranal		
Fenchol			Squalene		
5 Geraniol	NOT DETECTED		Terpinen-4-ol		
Geranyl acetate			19 α-Terpinene	NOT DETECTED	
6 Guaial	NOT DETECTED		20 γ-Terpinene	NOT DETECTED	
7 α-Humulene	0.229		α -Terpineol		
Isoborneol			21 Terpinolene	NOT DETECTED	
o-Cymene			α -Thujone		
8 p-Cymene	NOT DETECTED		Thymol		
m-Cymene			Valencene		
9 Isopulegol	NOT DETECTED		Verbenone		
10 δ-Limonene	0.184				
11 Linalool	0.0828				
Menthol					
Menthone					
Total				2.36	

Analytical Method: GC-FID
AOAC % Water Content: 7.58

Lab SOP #:253

Analyst Detail: asegundo

Date: 8-4-2023

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METALS (ppb)				LOQ = All Use Limit	
Metal	All Use Limit	Ingest Limit	Result	All Use (P/F)	Ingest Limit (P/F)
Arsenic	200	1500	NOT DETECTED	PASS	PASS
Cadmium	200	500	NOT DETECTED	PASS	PASS
Lead	500	1000	NOT DETECTED	PASS	PASS
Mercury	100	1500	NOT DETECTED	PASS	PASS
Analytical Method: ICP-MS		Lab SOP #:252	Analyst Detail: RMENEADES		Date: 8-4-2023

MICROBIALS (CFU/g)			LOQ = Limit
Microbial	Limit	Result	(P/F)
Total Aerobic Bacteria	100000	NOT DETECTED	PASS
Total Yeast and Mold	10000	NOT DETECTED	PASS
Total Coliforms	1000	NOT DETECTED	PASS
Bile Tolerant Gram Negative Bacteria	1000	NOT DETECTED	PASS
E. Coli	NOT DETECTED	NOT DETECTED	PASS
Salmonella spp.	NOT DETECTED	NOT DETECTED	PASS
Analytical Method: qPCR	Lab SOP #:256/257	Analyst Detail: knembhard	Date: 8-6-2023

MYCOTOXINS (ppb)			LOQ = 20 ppb
Mycotoxin	Limit	Result	(P/F)
Sum of Aflatoxins B1,B2,G1,G2	20	NOT DETECTED	PASS
Ochratoxin A	20	NOT DETECTED	PASS
Analytical Method: LC-MS	Lab SOP #:258	Analyst Detail: eduranpoli	Date: 8-4-2023

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PESTICIDES (ppb)			LOQ = 10 ppb
Pesticide	Limit	Result	(P/F)
Bifenazate	10	NOT DETECTED	PASS
Bifenthrin	10	NOT DETECTED	PASS
Cyfluthrin	10	NOT DETECTED	PASS
Etoxazole	10	NOT DETECTED	PASS
Imazalil	10	NOT DETECTED	PASS
Imidacloprid	10	NOT DETECTED	PASS
Myclobutanil	10	NOT DETECTED	PASS
Spiromesifen	10	NOT DETECTED	PASS
Trifloxystrobin	10	NOT DETECTED	PASS

Analytical Method: GC-MSMS, LC-MSMS Lab SOP #:255 Analyst Detail: nsionkiewicz Date: 8-5-2023

SOLVENTS (ppm)			NOT TESTED
Solvent	Limit	Result	(P/F)
Ethanol			
Heptane			
Butane			
Propane			
Isobutane			
Acetone			
Pentane			

Analytical Method: GC-FID Lab SOP #:254 Analyst Detail: Date:

VITAMIN E (ppm)			NOT TESTED
Vitamin E	Limit	Result	(P/F)
Vitamin E Acetate			

Analytical Method: LC-UV Lab SOP #:260 Analyst Detail: Date: