



# Certificate of Analysis

<b>Order #</b> 2311CBR0005	Receipt Date: 11/2/2023 14:11	Product Name: Animal Mint Cake - Flower	
Order Date: 11/2/2023	Completion Date: 11/06/2023 12:56	Seed to Sale #: 5440 4020 6507 6094	
Sample # 2311CBR0005-001	Initial Gross Weight: 29.28 g	Batch #: 5440402065076094	
Sampling Date: 11/2/2023 00:11	Total Batch Wgt or Vol: 6,345.5 g	Lot ID: 5440 4020 6507 6094	
<hr/>			
<b>Client:</b> Sunburn	Batch Date: 11/2/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 5440 4020 6507 6094	Matrix: Flower	Cultivation Date: 9/18/2023
Address: Eustis, FL 32736	Cultivars: Animal Mint Cake	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: Animal Mint Cake - Flower		Production Date: 10/30/2023

## SUMMARY



**TESTED**  
Potency

**TESTED**  
Terpenes

**PASSED**  
Pesticides

**PASSED**  
Heavy Metals

**PASSED**  
Total  
Contaminant  
Load

**NOT TESTED**  
Residual  
Solvents

**NOT TESTED**  
Total Aerobic  
Bacteria

**PASSED**  
Mycotoxins

**PASSED**  
Microbials

**PASSED**  
Total Yeast  
and Mold

**PASSED**  
Filt and Foreign  
Material

**PASSED**  
Water Activity

**PASSED**  
Moisture

**NOT TESTED**  
Homogeneity

## TESTED

## POTENCY

### TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
THCA	0.000012	235	23.5	823.30
d9-THC	0.00002	7.91	0.791	27.695
CBGA	0.000008	5.84	0.584	20.438
CBC	0.000004	ND	ND	N/A
CBD	0.00001	ND	ND	N/A
CBDA	0.000012	ND	ND	N/A
CBDV	0.000017	ND	ND	N/A
CBG	0.000015	ND	ND	N/A
CBN	0.000009	ND	ND	N/A
d8-THC	0.000246	ND	ND	N/A
THCV	0.000015	ND	ND	N/A

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
040	11/4/2023 9:27	040	11/4/2023 10:13
Batch Reviewed By:	Date/Time:	Analysis #	
027	11/6/2023 9:21	Potency HPLC3.batch.bin	
Specimen wt (g):		Dilution:	
0.5141		1000	
Analysis Method:		Instrument Used:	
TM-001 Potency		HPLC	

## POTENCY SUMMARY

Total THC <b>21.4%</b> As Received	Total THC/Unit <b>749.7 mg</b> As Received	THC Label Claim N/A N/A	Total Cannabinoids <b>24.9%</b> As Received
Total CBD <b>0.000%</b> As Received	Total CBD/Unit <b>N/A</b> As Received	CBD Label Claim N/A N/A	Total Cannabinoids/Unit <b>871.44 mg</b> As Received

## TERPENES SUMMARY

Analyte	Result (ug/g)	Result %
D-Limonene	8770.72	0.877
E-Caryophyllene	6955.2	0.696
Linalool	4513.6	0.451
alpha-Pinene	2580.48	0.258
alpha-Humulene	2148.16	0.215
beta-Pinene	1867.04	0.187
Endo-Fenchyl Alcohol	1346.24	0.135
Terpineol	1226.4	0.123
beta-Myrcene	769.664	0.077
Camphene	555.072	0.056

Total Terpenes: 3.27%

Showing top 10 Terpenes, full analysis on the following page.

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA\*0.877), Total CBD = CBD + (CBDA\*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).  
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Order Date: 11/2/2023	Completion Date: 11/06/2023 12:56	Seed to Sale #: 5440 4020 6507 6094	
Sample # 2311CBR0005-001	Initial Gross Weight: 29.28 g	Batch #: 5440402065076094	
Sampling Date: 11/2/2023 00:11	Total Batch Wgt or Vol: 6,345.5 g	Lot ID: 5440 4020 6507 6094	
<hr/>			
<b>Client:</b> Sunburn	Batch Date: 11/2/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 5440 4020 6507 6094	Matrix: Flower	Cultivation Date: 9/18/2023
Address: Eustis, FL 32736	Cultivars: Animal Mint Cake	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: Animal Mint Cake - Flower		Production Date: 10/30/2023

## TERPENES

## TESTED

Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	2580.48	0.258	Camphene	10	555.072	0.056
Isopulegol	59	< LOQ	< LOQ	delta-3-Carene	16	ND	ND
alpha-Terpinene	94	ND	ND	Eucalyptol	56	371.952	0.037
gamma-Terpinene	6	208.432	0.021	alpha-terpinolene	17	146.16	0.015
Linalool	18	4513.6	0.451	Geraniol	13	ND	ND
alpha-Humulene	21	2148.16	0.215	Z-Nerolidol	22	ND	ND
Menthol	44	ND	ND	E-Nerolidol	19	466.592	0.047
Guaiol	24	ND	ND	E-Caryophyllene	31	6955.2	0.696
Nerol	25	ND	ND	alpha-Bisabolol	20	222.432	0.022
Valencene	27	ND	ND	D-Limonene	15	8770.72	0.877
alpha-Cedrene	20	ND	ND	Sabinene	29	ND	ND
Endo-Fenchyl Alcohol	40	1346.24	0.135	Terpineol	31	1226.4	0.123
Pulegone	11	ND	ND	[+/-]-Camphor	62	ND	ND
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	< LOQ	< LOQ
Ocimenes	31	255.36	0.026	Cedrol	7	ND	ND
Farnesene	130	ND	ND	Geranyl acetate	19	ND	ND
alpha-Phellandrene	19	< LOQ	< LOQ	beta-Pinene	26	1867.04	0.187
beta-Myrcene	50	769.664	0.077	Caryophyllene Oxide	191	ND	ND
(+/-)-Borneol	15	218.064	0.022	Sabinene Hydrate	21	< LOQ	< LOQ

**Total Terpenes: 3.27 %**

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
048	11/3/2023 12:26	039	11/4/2023 12:34
Batch Reviewed By:	Date/Time:	Analysis #	
027	11/6/2023 8:53	11032023 Terps 1.batch.bin	
Specimen wt:		Dilution:	
0.5117		50	
Analysis Method:		Instrument Used:	
TM-004 Terpenes		LI-GCMS	

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Sampling Date: 11/2/2023 00:11	Total Batch Wgt or Vol: 6,345.5 g	Lot ID: 5440 4020 6507 6094	
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<b>Client:</b> Sunburn	Batch Date: 11/2/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 5440 4020 6507 6094	Matrix: Flower	Cultivation Date: 9/18/2023
Address: Eustis, FL 32736	Cultivars: Animal Mint Cake	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: Animal Mint Cake - Flower		Production Date: 10/30/2023

PESTICIDES					PASSED				
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status	Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin	14.3	100	ND	Pass	Acephate	8.4	100	ND	Pass
Acequinocyl	14.4	100	ND	Pass	Acetamiprid	9.3	100	ND	Pass
Aldicarb	11.4	100	ND	Pass	Azoxystrobin	14	100	ND	Pass
Bifenazate	14.3	100	ND	Pass	Bifenthrin	11.1	100	ND	Pass
Boscalid	13.1	100	ND	Pass	Captan	13.3	700	ND	Pass
Carbaryl	14.2	500	ND	Pass	Carbofuran	8.4	100	ND	Pass
Chlorantraniliprole	26.4	1000	ND	Pass	Chlordane	10	100	ND	Pass
Chlorfenapyr	6.8	100	ND	Pass	Chlormequat chloride	23.1	1000	ND	Pass
Chlorpyrifos	15.6	100	ND	Pass	Clofentazine	13.6	200	ND	Pass
Coumaphos	3.9	100	ND	Pass	Cyfluthrin	7.6	500	ND	Pass
Cypermethrin	14	500	ND	Pass	Daminozide	13.5	100	ND	Pass
Diazinon	11.2	100	ND	Pass	Dichlorvos	14.4	100	ND	Pass
Dimethoate	15.1	100	ND	Pass	Dimethomorph	16.7	200	ND	Pass
Ethoprophos	14.7	100	ND	Pass	Etofenprox	9.4	100	ND	Pass
Etoxazole	11.2	100	ND	Pass	Fenhexamid	13.7	100	ND	Pass
Fenoxycarb	14.4	100	ND	Pass	Fenpyroximate	12.9	100	ND	Pass
Fipronil	12.3	100	ND	Pass	Flonicamid	12.8	100	ND	Pass
Fludioxonil	12.5	100	ND	Pass	Hexythiazox	12.7	100	ND	Pass
Imazalil	14.4	100	ND	Pass	Imidacloprid	28.6	400	ND	Pass
Kresoxim-methyl	10	100	ND	Pass	Malathion	19.2	200	ND	Pass
Metalaxyl	12.2	100	ND	Pass	Methiocarb	14.6	100	ND	Pass
Methomyl	9.6	100	ND	Pass	Methyl parathion	9.1	100	ND	Pass
Mevinphos	11.4	100	ND	Pass	Myclobutanil	11.4	100	ND	Pass
Naled	15.1	250	ND	Pass	Oxamyl	7.6	500	ND	Pass
Paclobutrazol	12.4	100	ND	Pass	Pentachloronitrobenzene	8.4	150	ND	Pass
Permethrin	9.7	100	ND	Pass	Phosmet	12.6	200	ND	Pass
Piperonylbutoxide	8	3000	ND	Pass	Prallethrin	13.2	100	ND	Pass
Propiconazole	14.6	100	ND	Pass	Propoxur	8.7	100	ND	Pass
Pyrethrins	25.0	500	ND	Pass	Pyridaben	12.4	200	ND	Pass
Spinetoram	12.2	200	ND	Pass	Spinosad A and D	11.8	100	ND	Pass
Spiromesifen	14.9	100	ND	Pass	Spirotetramat	13.5	100	ND	Pass
Spiroxamine	14.7	100	ND	Pass	Tebuconazole	13	100	ND	Pass
Thiacloprid	8.2	100	ND	Pass	Thiamethoxam	13.4	500	ND	Pass
Trifloxystrobin	7	100	ND	Pass					

Sample Prepared By: 034	Date/Time: 11/4/2023 14:00	Specimen wt (g): 1.0067	Dilution: 125	Analysis # 2023_11_03 GC2 PEST1.batch.bin
Sample Analyzed By: 034	Date/Time: 11/4/2023 14:50	Analysis Method: TM-003 Pesticides		
Batch Reviewed By: 027	Date/Time: 11/6/2023 8:50	Instrument Used: GC/MS/MS		
Sample Prepared By: 034	Date/Time: 11/4/2023 14:00	Specimen wt (g): 1.0067	Dilution: 125	Analysis # 2023_11_03 LC2 PEST1.batch.bin
Sample Analyzed By: 034	Date/Time: 11/4/2023 14:50	Analysis Method: TM-002 Pesticides and Mycotoxins		
Batch Reviewed By: 027	Date/Time: 11/6/2023 8:50	Instrument Used: LC/MS/MS		

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# Certificate of Analysis

**Order #** 2311CBR0005  
**Order Date:** 11/2/2023  
**Sample #** 2311CBR0005-001  
**Sampling Date:** 11/2/2023 00:11

**Receipt Date:** 11/2/2023 14:11  
**Completion Date:** 11/06/2023 12:56  
**Initial Gross Weight:** 29.28 g  
**Total Batch Wgt or Vol:** 6,345.5 g

**Product Name:** Animal Mint Cake - Flower  
**Seed to Sale #:** 5440 4020 6507 6094  
**Batch #:** 5440402065076094  
**Lot ID:** 5440 4020 6507 6094

**Client:** Sunburn  
**Address:** 25548 County Rd 44A  
**Address:** Eustis, FL 32736

**Batch Date:** 11/2/2023  
**Extracted From:** 5440 4020 6507 6094  
**Cultivars:** Animal Mint Cake  
**Description:** Animal Mint Cake - Flower

**Sampling Method:** LAB-028  
**Matrix:** Flower  
**Test Reg State:** Cannabis FL

**Cultivation Facility:** Winter Garden  
**Cultivation Date:** 9/18/2023  
**Production Facility:** Winter Garden  
**Production Date:** 10/30/2023

## HEAVY METALS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	< LOQ	Pass
Arsenic	26.2	200	ND	Pass
Cadmium	18.9	200	ND	Pass
Mercury	28.4	200	ND	Pass

<b>Sample Prepared By:</b>	<b>Date/Time:</b>	<b>Sample Analyzed By:</b>	<b>Date/Time:</b>
028	11/3/2023 17:41	028	11/4/2023 9:35
<b>Batch Reviewed By:</b>	<b>Date/Time:</b>	<b>Analysis #</b>	
028	11/4/2023 9:37	ICPMS_1_1103.b	
<b>Specimen wt (g):</b>		<b>Dilution:</b>	
0.1215		50	
<b>Analysis Method:</b>		<b>Instrument Used:</b>	
TM-006 Heavy Metals		ICP-MS	

## RESIDUAL SOLVENTS NOT TESTED

Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status
Acetone				N/A
Acetonitrile				N/A
Benzene				N/A
Butane				N/A
Chloroform				N/A
1,2-Dichloroethane				N/A
1,1-Dichloroethene				N/A
Ethanol				N/A
Ethyl acetate				N/A
Ethyl ether				N/A
Ethylene oxide				N/A
Heptane				N/A
Hexane				N/A
Isopropyl alcohol				N/A
Methanol				N/A
Methylene chloride				N/A
Pentane				N/A
Propane				N/A
Trichloroethylene				N/A
Toluene				N/A
Total xylenes				N/A

## TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides	5	0	Pass

<b>Sample Prepared By:</b>	<b>Date/Time:</b>	<b>Sample Analyzed By:</b>	<b>Date/Time:</b>
<b>Batch Reviewed By:</b>	<b>Date/Time:</b>	<b>Analysis #</b>	
<b>Specimen wt (g):</b>		<b>Dilution:</b>	
<b>Analysis Method:</b>		<b>Instrument Used:</b>	

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**Sample #** 2311CBR0005-001  
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**Receipt Date:** 11/2/2023 14:11  
**Completion Date:** 11/06/2023 12:56  
**Initial Gross Weight:** 29.28 g  
**Total Batch Wgt or Vol:** 6,345.5 g

**Product Name:** Animal Mint Cake - Flower  
**Seed to Sale #:** 5440 4020 6507 6094  
**Batch #:** 5440402065076094  
**Lot ID:** 5440 4020 6507 6094

**Client:** Sunburn  
**Address:** 25548 County Rd 44A  
**Address:** Eustis, FL 32736

**Batch Date:** 11/2/2023  
**Extracted From:** 5440 4020 6507 6094  
**Cultivars:** Animal Mint Cake  
**Description:** Animal Mint Cake - Flower

**Sampling Method:** LAB-028  
**Matrix:** Flower  
**Test Reg State:** Cannabis FL

**Cultivation Facility:** Winter Garden  
**Cultivation Date:** 9/18/2023  
**Production Facility:** Winter Garden  
**Production Date:** 10/30/2023

## MYCOTOXINS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1	1.5	20	ND	Pass
Aflatoxin B2	2.7	20	ND	Pass
Aflatoxin G1	2.5	20	ND	Pass
Aflatoxin G2	2.5	20	ND	Pass
Ochratoxin A	2.9	20	ND	Pass
Total Aflatoxin			N/A	

**Sample Prepared By:** Date/Time: **Sample Analyzed By:** Date/Time:  
034 11/4/2023 14:00 034 11/4/2023 14:18  
**Batch Reviewed By:** Date/Time: **Analysis #**  
027 11/6/2023 8:50 2023\_11\_03 LC2 PEST1.batch.bin  
**Specimen wt (g):** **Dilution:**  
1.0067 125  
**Analysis Method:** **Instrument Used:**  
TM-002 Pesticides and Mycotoxins LC/MS/MS

## MICROBIAL PASSED

Analyte	Action Level (present in 1 g)	Result (present in 1 g)	Status
Salmonella	Present	Absent	Pass
Shiga Toxin E. coli	Present	Absent	Pass
Total Aspergillus*	Present	Absent	Pass

**Sample Prepared By:** Date/Time: **Sample Analyzed By:** Date/Time:  
043 11/4/2023 13:58 043 11/4/2023 14:01  
**Batch Reviewed By:** Date/Time: **Analysis #**  
027 11/6/2023 8:50 1  
**Specimen wt (g):** **Dilution:**  
1.01 1  
**Analysis Method:** **Instrument Used:**  
TM-011 Microbiology qPCR

\* Total Aspergillus represents the sum of the results of Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus.

## TOTAL YEAST AND MOLD PASSED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds	100000	ND	Pass

**Sample Prepared By:** Date/Time: **Sample Analyzed By:** Date/Time:  
022 11/6/2023 9:19 022 11/6/2023 9:21  
**Batch Reviewed By:** Date/Time: **Analysis #**  
027 11/6/2023 10:31 1  
**Specimen wt (g):** **Dilution:**  
1.02 1000  
**Analysis Method:** **Instrument Used:**  
TM-012 Yeast and Molds Incubator

## FILTH & FOREIGN MATERIAL PASSED

Analyte	Action Level	Result	Status
Feces Amount (mg/kg)	0.5	0.000	Pass
Filth (%)	1	0.000	Pass

**Sample Analyzed By:** Date/Time:  
031 11/3/2023 14:11  
**Batch Reviewed By:** Date/Time: **Analysis #**  
027 11/3/2023 15:11 FF  
**Specimen wt (g):**  
15.0  
**Analysis Method:** **Instrument Used:**  
TM-010 Filth and Foreign Material Electronic Balance

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Sampling Date: 11/2/2023 00:11	Total Batch Wgt or Vol: 6,345.5 g	Lot ID: 5440 4020 6507 6094
<b>Client:</b> Sunburn	Batch Date: 11/2/2023	Sampling Method: LAB-028
Address: 25548 County Rd 44A	Extracted From: 5440 4020 6507 6094	Matrix: Flower
Address: Eustis, FL 32736	Cultivars: Animal Mint Cake	Test Reg State: Cannabis FL
	Description: Animal Mint Cake - Flower	Cultivation Facility: Winter Garden
		Cultivation Date: 9/18/2023
		Production Facility: Winter Garden
		Production Date: 10/30/2023

WATER ACTIVITY		PASSED	
Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.65	0.49	Pass
Sample Analyzed By:	Date/Time:		
045	11/3/2023 17:11		
Batch Reviewed By:	Date/Time:	Analysis #	
027	11/6/2023 9:17	WA	
Specimen wt (g):			
1.03			
Analysis Method:	Instrument Used:		
TM-007 Water Activity	Water Activity Probe		

MOISTURE		PASSED	
Analyte	Action Level (%)	Result (%)	Status
Moisture Content	15	12.0	Pass
Sample Analyzed By:	Date/Time:		
045	11/3/2023 17:05		
Batch Reviewed By:	Date/Time:	Analysis #	
027	11/6/2023 9:17	MC	
Specimen wt (g):			
1.01			
Analysis Method:	Instrument Used:		
TM-008 Moisture Content	Moisture Analyzer		

TOTAL AEROBIC BACTERIA NOT TESTED			
Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Aerobic Bacteria			N/A
Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt (g):	Dilution:		
Analysis Method:	Instrument Used:		

Definitions and Abbreviations used in this report: Total THC = Delta 9 THC + (THCA\*0.877), Total CBD = CBD + (CBDA\*0.877), Total Cannabinoids = THC + THCA + CBD + CBDA + CBG + CBGA + Delta 8 THC + THCV + CBDV + CBC + CBN, Total THC and Total CBD are expressed as mg in total package weight, (Dilution) = Dilution Factor, (%) = Percent, (mg/g) = Milligrams per Gram, (mg/mL) = Milligrams per Milliliter, (mg/kg) = Milligrams per Kilogram, (ug/kg) = Microgram per Kilogram, (cfu/g) = Colony Forming Unit per Gram, Action Limit of Absent is equivalent to < 1 cfu/g, (aw) = Water Activity, (LOD) = Limit of Detection, (LOQ) = Limit of Quantitation; (ppm) = parts per million; (ppb) = parts per billion; Units for ppm also expressed as (mg/kg); Units for ppb also expressed as (ug/kg).  
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