Method Testing Laboratories
2720 Broadway Center Blvd.
Brandon, FL 33510
Lic #CMTL-2023-00012

Certificate of Analysis

Order # 2305CBR0081
Order Date: 5/18/2023
Sample # 2305CBR0081-004
Sampling Date: 5/19/2023 00:05

Receipt Date: 5/19/2023 13:05
Completion Date: 05/23/2023 19:24
Initial Gross Weight: 28.00 g
Total Batch Wgt or Vol: 6,485.5 g

Product Name: MAC1 - Flower
Seed to Sale #: 4862 6385 4213 8428
Batch #: 4862638542138428
Lot ID: 4862 6385 4213 8428

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

Batch Date: 5/19/2023
Extracted From: 4862 6385 4213 842
Cultivars: MAC1
Description: MAC1 - Flower

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

Cultivation Facility: Winter Garden
Cultivation Date: 4/12/2023
Production Facility: Winter Garden
Production Date: 5/18/2023

SUMMARY — TESTED

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 Filth and Foreign Material	PASSED Water Activity	PASSED Moisture	NOT TESTED Homogeneity

POTENCY — TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
THCA	0.000012	211	21.1	737.95
CBGA	0.000008	9.87	0.987	34.549
d9-THC	0.00002	6.51	0.651	22.785
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	5/22/2023 8:11	040	5/22/2023 12:54
Batch Reviewed By:	Date/Time:	Analysis #	
027	5/22/2023 15:37	Potency 2	
Specimen wt (g):		Dilution:	
0.5358		1000	
Analysis Method:		Instrument Used:	
TM-001 Potency		HPLC	

POTENCY SUMMARY

Total THC **19.1%** As Received	Total THC/Unit **670.0 mg** As Received	THC Label Claim N/A N/A	Total Cannabinoids **22.7%** As Received
Total CBD **0.000%** As Received	Total CBD/Unit **N/A** As Received	CBD Label Claim N/A N/A	Total Cannabinoids/Unit **795.29 mg** As Received

TERPENES SUMMARY

Analyte	Result (ug/g)	Result %
D-Limonene	4832	0.483
E-Caryophyllene	2759	0.276
Linalool	1662	0.166
alpha-Pinene	1334	0.133
beta-Myrcene	1013	0.101
alpha-Bisabolol	928.9	0.093
beta-Pinene	881.6	0.088
alpha-Humulene	753.7	0.075
Terpineol	718.2	0.072
Endo-Fenchyl Alcohol	629.6	0.063

Total Terpenes: 1.57%

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

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PJLA Testing
Accreditation #111022

Anthony Repay — **Lab Director-Micro** — **05/23/2023 19:24**

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Batch #: 4862638542138428
Lot ID: 4862 6385 4213 8428

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Address: Eustis, FL 32736

Batch Date: 5/19/2023
Extracted From: 4862 6385 4213 842
Cultivars: MAC1
Description: MAC1 - Flower

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

Cultivation Facility: Winter Garden
Cultivation Date: 4/12/2023
Production Facility: Winter Garden
Production Date: 5/18/2023

TERPENES — TESTED

Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	1334	0.133	Camphene	10	ND	ND
Isopulegol	59	ND	ND	delta-3-Carene	16	ND	ND
alpha-Terpinene	94	ND	ND	Eucalyptol	56	ND	ND
gamma-Terpinene	6	ND	ND	alpha-terpinolene	17	ND	ND
Linalool	18	1662	0.166	Geraniol	13	ND	ND
alpha-Humulene	21	753.7	0.075	Z-Nerolidol	22	ND	ND
Menthol	44	ND	ND	E-Nerolidol	19	191.6	0.019
Guaiol	24	ND	ND	E-Caryophyllene	31	2759	0.276
Nerol	25	ND	ND	alpha-Bisabolol	20	928.9	0.093
Valencene	27	ND	ND	D-Limonene	15	4832	0.483
alpha-Cedrene	20	ND	ND	Sabinene	29	ND	ND
Endo-Fenchyl Alcohol	40	629.6	0.063	Terpineol	31	718.2	0.072
Pulegone	11	ND	ND	[+/-]-Camphor	62	ND	ND
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	ND	ND
Ocimenes	31	ND	ND	Cedrol	7	ND	ND
Farnesene	130	ND	ND	Geranyl acetate	19	ND	ND
alpha-Phellandrene	19	ND	ND	beta-Pinene	26	881.6	0.088
beta-Myrcene	50	1013	0.101	Caryophyllene Oxide	191	< LOQ	< LOQ
(+/-)-Borneol	15	ND	ND	Sabinene Hydrate	21	ND	ND

Total Terpenes: 1.57 %

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
012	5/20/2023 13:52	039	5/23/2023 14:11
Batch Reviewed By:	Date/Time:	Analysis #	
027	5/23/2023 14:21	05222023 Terps 1.batch.bin	
Specimen wt:		Dilution:	
0.5424		50	
Analysis Method:		Instrument Used:	
TM-004 Terpenes		LI-GCMS	

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Address: Eustis, FL 32736

Batch Date: 5/19/2023
Extracted From: 4862 6385 4213 842
Cultivars: MAC1
Description: MAC1 - Flower

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

Cultivation Facility: Winter Garden
Cultivation Date: 4/12/2023
Production Facility: Winter Garden
Production Date: 5/18/2023

PESTICIDES — PASSED

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

Sample Prepared By: 025 Date/Time: 5/22/2023 12:16 Specimen wt (g): 1.0175 Dilution: 125 Analysis # 2023_05_20 GC2 Pest1.batch.bin
Sample Analyzed By: 025 Date/Time: 5/22/2023 12:27 Analysis Method: TM-003 Pesticides
Batch Reviewed By: 027 Date/Time: 5/23/2023 9:34 Instrument Used: GC/MS/MS

Sample Prepared By: 025 Date/Time: 5/22/2023 12:16 Specimen wt (g): 1.0175 Dilution: 125 Analysis # 2023_05_20 LC2 PEST1.batch.bin
Sample Analyzed By: 025 Date/Time: 5/22/2023 12:27 Analysis Method: TM-002 Pesticides and Mycotoxins
Batch Reviewed By: 027 Date/Time: 5/23/2023 9:34 Instrument Used: LC/MS/MS

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Batch Date: 5/19/2023
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Cultivars: MAC1
Description: MAC1 - Flower

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

Cultivation Facility: Winter Garden
Cultivation Date: 4/12/2023
Production Facility: Winter Garden
Production Date: 5/18/2023

HEAVY METALS — PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	69.3	Pass
Arsenic	26.2	200	ND	Pass
Cadmium	18.9	200	ND	Pass
Mercury	28.4	200	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
037	5/22/2023 10:14	037	5/22/2023 12:53
Batch Reviewed By:	Date/Time:	Analysis #	
027	5/22/2023 15:41	ICPMS_01.b	
Specimen wt (g):		Dilution:	
0.5486		250	
Analysis Method:		Instrument Used:	
TM-006 Heavy Metals		ICP-MS	

TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides	5	0.07	Pass

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

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

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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:
025	5/22/2023 16:39	025	5/22/2023 17:07
Batch Reviewed By:	Date/Time:	Analysis #	
027	5/23/2023 9:07	2023_05_20 LC2 PEST1.batch.bin	
Specimen wt (g):		Dilution:	
1.0175		125	
Analysis Method:		Instrument Used:	
TM-002 Pesticides and Mycotoxins		LC/MS/MS	

TOTAL YEAST AND MOLD PASSED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds	100000	1000	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
022	5/23/2023 14:24	022	5/23/2023 14:27
Batch Reviewed By:	Date/Time:	Analysis #	
027	5/23/2023 15:00	1	
Specimen wt (g):		Dilution:	
1.00		1000	
Analysis Method:		Instrument Used:	
TM-014 Yeast and Molds		PCR	

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:
022	5/22/2023 15:00	022	5/22/2023 15:02
Batch Reviewed By:	Date/Time:	Analysis #	
027	5/22/2023 16:17	1	
Specimen wt (g):		Dilution:	
1.02		10	
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.

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	5/23/2023 16:05	
Batch Reviewed By:	Date/Time:	Analysis #
029	5/23/2023 16:05	FF
Specimen wt (g):		
15.0		
Analysis Method:		Instrument Used:
TM-010 Filth and Foreign Material		Electronic Balance

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Test Reg State: Cannabis FL

Cultivation Facility: Winter Garden
Cultivation Date: 4/12/2023
Production Facility: Winter Garden
Production Date: 5/18/2023

WATER ACTIVITY PASSED

Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.65	0.49	Pass

Sample Analyzed By: 045
Date/Time: 5/20/2023 18:06
Batch Reviewed By: 027
Date/Time: 5/22/2023 16:11
Analysis #: WA
Specimen wt (g): 1.05
Analysis Method: TM-007 Water Activity
Instrument Used: Water Activity Probe

MOISTURE PASSED

Analyte	Action Level (%)	Result (%)	Status
Moisture Content	15	12.8	Pass

Sample Analyzed By: 045
Date/Time: 5/20/2023 18:07
Batch Reviewed By: 027
Date/Time: 5/22/2023 16:11
Analysis #: WA
Specimen wt (g): 1.02
Analysis Method: TM-008 Moisture Content
Instrument Used: 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).

PJLA Testing
Accreditation #111022

Anthony Repay — **Lab Director-Micro** — **05/23/2023 19:24**