



Certificate of Analysis

Order # 2306CBR0131	Receipt Date: 6/30/2023 13:06	Product Name: MAC1 - Flower
Order Date: 6/28/2023	Completion Date: 07/05/2023 20:28	Seed to Sale #: 1733 0955 0997 7195
Sample # 2306CBR0131-002	Initial Gross Weight: 28.00 g	Batch #: 1733095509977195
Sampling Date: 6/30/2023 00:06	Total Batch Wgt or Vol: 6,692 g	Lot ID: 1733 0955 0997 7195

Client: Sunburn	Batch Date: 6/30/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 1733 0955 0997 719	Matrix: Flower	Cultivation Date: 5/17/2023
Address: Eustis, FL 32736	Cultivars: MAC1	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: MAC1 - Flower		Production Date: 6/28/2023

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 Filtration 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	206	20.6	719.66
CBGA	0.000008	9.68	0.968	33.868
d9-THC	0.00002	5.73	0.573	20.066
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

POTENCY SUMMARY

Total THC 18.6% As Received	Total THC/Unit 651.2 mg As Received	THC Label Claim N/A N/A	Total Cannabinoids 22.1% 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 773.59 mg As Received

TERPENES SUMMARY

Analyte	Result (ug/g)	Result %
D-Limonene	6573	0.657
E-Caryophyllene	2216	0.222
Linalool	1944	0.194
alpha-Pinene	1704	0.170
beta-Myrcene	1460	0.146
beta-Pinene	1162	0.116
alpha-Bisabolol	969.9	0.097
Terpineol	924.9	0.092
alpha-Humulene	859.5	0.086
Endo-Fenchyl Alcohol	705.0	0.071

Total Terpenes: 1.9%

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

Sample Prepared By: 040	Date/Time: 7/3/2023 9:41	Sample Analyzed By: 040	Date/Time: 7/3/2023 10:37
Batch Reviewed By: 029	Date/Time: 7/5/2023 12:05	Analysis #	Potency 1
Specimen wt (g): 0.5196		Dilution:	1000
Analysis Method: TM-001 Potency		Instrument Used:	HPLC

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/g) = 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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A. Repay
Anthony Repay
Lab Director-Micro

07/05/2023 20:28



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Client: Sunburn	Batch Date: 6/30/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 1733 0955 0997 719	Matrix: Flower	Cultivation Date: 5/17/2023
Address: Eustis, FL 32736	Cultivars: MAC1	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: MAC1 - Flower		Production Date: 6/28/2023

TERPENES

TESTED

Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	1704	0.170	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	1944	0.194	Geraniol	13	ND	ND
alpha-Humulene	21	859.5	0.086	Z-Nerolidol	22	ND	ND
Menthol	44	ND	ND	E-Nerolidol	19	233.6	0.023
Guaiol	24	ND	ND	E-Caryophyllene	31	2216	0.222
Nerol	25	ND	ND	alpha-Bisabolol	20	969.9	0.097
Valencene	27	ND	ND	D-Limonene	15	6573	0.657
alpha-Cedrene	20	ND	ND	Sabinene	29	ND	ND
Endo-Fenchyl Alcohol	40	705.0	0.071	Terpineol	31	924.9	0.092
Pulegone	11	ND	ND	[+/-]-Camphor	62	ND	ND
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	ND	ND
Ocimenes	31	184.8	0.018	Cedrol	7	ND	ND
Farnesene	130	ND	ND	Geranyl acetate	19	ND	ND
alpha-Phellandrene	19	ND	ND	beta-Pinene	26	1162	0.116
beta-Myrcene	50	1460	0.146	Caryophyllene Oxide	191	ND	ND
(+/-)-Borneol	15	73.3	0.007	Sabinene Hydrate	21	ND	ND

Total Terpenes: 1.9 %

Sample Prepared By: 039	Date/Time: 7/3/2023 11:43	Sample Analyzed By: 048	Date/Time: 7/3/2023 13:00
Batch Reviewed By: 027	Date/Time: 7/3/2023 14:47	Analysis #: 07-01 2023 Terps 1.batch.bin	
Specimen wt: 0.5344		Dilution: 50	
Analysis Method: TM-004 Terpenes		Instrument Used: LI-GCMS	

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Client: Sunburn	Batch Date: 6/30/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 1733 0955 0997 719	Matrix: Flower	Cultivation Date: 5/17/2023
Address: Eustis, FL 32736	Cultivars: MAC1	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: MAC1 - Flower		Production Date: 6/28/2023

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
Chlorantranilprole	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	Fonicamid	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: 025	Date/Time: 7/3/2023 11:34	Specimen wt (g): 1.0191	Dilution: 125	Analysis # 2023_07_01 GC2 PEST1.batch.bin
Sample Analyzed By: 025	Date/Time: 7/3/2023 11:43	Analysis Method: TM-003 Pesticides		
Batch Reviewed By: 027	Date/Time: 7/3/2023 15:19	Instrument Used: GC/MS/MS		

Sample Prepared By: 025	Date/Time: 7/3/2023 11:34	Specimen wt (g): 1.0191	Dilution: 125	Analysis # 2023_07_01 LC1 PEST1.batch.bin
Sample Analyzed By: 025	Date/Time: 7/3/2023 11:43	Analysis Method: TM-002 Pesticides and Mycotoxins		
Batch Reviewed By: 027	Date/Time: 7/3/2023 15:19	Instrument Used: LC/MS/MS		

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Client: Sunburn	Batch Date: 6/30/2023	Sampling Method: LAB-028	Cultivation Facility: Winter Garden
Address: 25548 County Rd 44A	Extracted From: 1733 0955 0997 719	Matrix: Flower	Cultivation Date: 5/17/2023
Address: Eustis, FL 32736	Cultivars: MAC1	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: MAC1 - Flower		Production Date: 6/28/2023

HEAVY METALS PASSED

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

Sample Prepared By: 028	Date/Time: 7/5/2023 11:17	Sample Analyzed By: 028	Date/Time: 7/5/2023 19:23
Batch Reviewed By: 028	Date/Time: 7/5/2023 19:26	Analysis #	ICPMS_1_1
Specimen wt (g): 0.1049		Dilution:	50
Analysis Method: TM-006 Heavy Metals		Instrument Used:	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

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

TOTAL CONTAMINANT LOAD

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

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Address: 25548 County Rd 44A	Extracted From: 1733 0955 0997 719	Matrix: Flower	Cultivation Date: 5/17/2023
Address: Eustis, FL 32736	Cultivars: MAC1	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: MAC1 - Flower		Production Date: 6/28/2023

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: 025	Date/Time: 7/3/2023 11:34	Sample Analyzed By: 025	Date/Time: 7/3/2023 15:39
Batch Reviewed By: 027	Date/Time: 7/3/2023 16:14	Analysis #:	2023_07_01 LC1 PEST1.batch.bin
Specimen wt (g): 1.0191		Dilution: 125	
Analysis Method: TM-002 Pesticides and Mycotoxins		Instrument Used: 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: 022	Date/Time: 7/3/2023 9:37	Sample Analyzed By: 022	Date/Time: 7/3/2023 9:39
Batch Reviewed By: 027	Date/Time: 7/3/2023 10:05	Analysis #:	1
Specimen wt (g): 1.01		Dilution: 1000	
Analysis Method: TM-012 Yeast and Molds		Instrument Used: Incubator	

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: 022	Date/Time: 7/3/2023 13:49	Sample Analyzed By: 022	Date/Time: 7/3/2023 15:16
Batch Reviewed By: 029	Date/Time: 7/5/2023 12:03	Analysis #:	1
Specimen wt (g): 1.02		Dilution: 1	
Analysis Method: TM-011 Microbiology		Instrument Used: 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: 031	Date/Time: 7/3/2023 14:07		
Batch Reviewed By: 027	Date/Time: 7/3/2023 15:07	Analysis #:	FF
Specimen wt (g): 15.0			
Analysis Method: TM-010 Filth and Foreign Material		Instrument Used: Electronic Balance	

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Address: Eustis, FL 32736	Cultivars: MAC1	Test Reg State: Cannabis FL	Production Facility: Winter Garden
	Description: MAC1 - Flower		Production Date: 6/28/2023

WATER ACTIVITY		PASSED	
Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.65	0.50	Pass
Sample Analyzed By: 045	Date/Time: 7/1/2023 16:58		
Batch Reviewed By: 027	Date/Time: 7/3/2023 9:17	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: 7/1/2023 17:01		
Batch Reviewed By: 027	Date/Time: 7/3/2023 8:37	Analysis #: MC	
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).
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A. Repay
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