



Certificate of Analysis

Order # 2308CBR0038
Order Date: 8/8/2023
Sample # 2308CBR0038-002
Sampling Date: 8/11/2023 00:08

Receipt Date: 8/11/2023 13:08
Completion Date: 08/15/2023 12:44
Initial Gross Weight: 28.00 g
Total Batch Wgt or Vol: 4,956 g

Product Name: TK - Flower
Seed to Sale #: 5414 4936 1871 0972
Batch #: 5414493618710972
Lot ID: 5414 4936 1871 0972

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

Batch Date: 8/11/2023
Extracted From: 5414 4936 1871 097
Cultivars: TK
Description: TK - Flower

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

Cultivation Facility: Eustis
Cultivation Date: 7/6/2023
Production Facility: Eustis
Production Date: 8/8/2023

TERPENES

TESTED

Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	399.262	0.040	Camphene	10	103.05	0.010
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	< LOQ	< LOQ
Linalool	18	1877.8	0.188	Geraniol	13	ND	ND
alpha-Humulene	21	1572.09	0.157	Z-Nerolidol	22	ND	ND
Menthol	44	ND	ND	E-Nerolidol	19	ND	ND
Guaiol	24	ND	ND	E-Caryophyllene	31	4286.88	0.429
Nerol	25	ND	ND	alpha-Bisabolol	20	571.813	0.057
Valencene	27	ND	ND	D-Limonene	15	3345.69	0.335
alpha-Cedrene	20	ND	ND	Sabinene	29	ND	ND
Endo-Fenchyl Alcohol	40	665.703	0.067	Terpineol	31	852.452	0.085
Pulegone	11	ND	ND	[+/-]-Camphor	62	ND	ND
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	116.561	0.012
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	702.114	0.070
beta-Myrcene	50	5917.36	0.592	Caryophyllene Oxide	191	ND	ND
(+/-)-Borneol	15	143.697	0.014	Sabinene Hydrate	21	ND	ND

Total Terpenes: 2.06 %

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:
048 8/14/2023 14:26 039 8/14/2023 16:11
Batch Reviewed By: Date/Time: Analysis #
040 8/15/2023 8:16 08_12 Terp 1.batch.bin
Specimen wt: Dilution:
0.5000 50
Analysis Method: Instrument Used:
TM-004 Terpenes LI-GCMS

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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Sampling Date: 8/11/2023 00:08	Total Batch Wgt or Vol: 4,956 g	Lot ID: 5414 4936 1871 0972

Client: Sunburn	Batch Date: 8/11/2023	Sampling Method: LAB-028	Cultivation Facility: Eustis
Address: 25548 County Rd 44A	Extracted From: 5414 4936 1871 097	Matrix: Flower	Cultivation Date: 7/6/2023
Address: Eustis, FL 32736	Cultivars: TK	Test Reg State: Cannabis FL	Production Facility: Eustis
	Description: TK - Flower		Production Date: 8/8/2023

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	Clofentezine	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: 8/14/2023 14:43	Specimen wt (g): 1.0307	Dilution: 125	Analysis # 2023_08_12 GC2 PEST1.batch.bin
Sample Analyzed By: 025	Date/Time: 8/14/2023 15:26	Analysis Method: TM-003 Pesticides		
Batch Reviewed By: 027	Date/Time: 8/15/2023 7:50	Instrument Used: GC/MS/MS		

Sample Prepared By: 025	Date/Time: 8/14/2023 14:43	Specimen wt (g): 1.0307	Dilution: 125	Analysis # 2023_08_12 LC1 PEST1.batch.bin
Sample Analyzed By: 025	Date/Time: 8/14/2023 15:26	Analysis Method: TM-002 Pesticides and Mycotoxins		
Batch Reviewed By: 027	Date/Time: 8/15/2023 7:50	Instrument Used: LC/MS/MS		

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A. Repay
Anthony Repay **Lab**
Director-Micro **08/15/2023 12:44**



Certificate of Analysis

Order # 2308CBR0038 Receipt Date: 8/11/2023 13:08 Product Name: TK - Flower
Order Date: 8/8/2023 Completion Date: 08/15/2023 12:44 Seed to Sale #: 5414 4936 1871 0972
Sample # 2308CBR0038-002 Initial Gross Weight: 28.00 g Batch #: 5414493618710972
Sampling Date: 8/11/2023 00:08 Total Batch Wgt or Vol: 4,956 g Lot ID: 5414 4936 1871 0972

Client: Sunburn Batch Date: 8/11/2023 Sampling Method: LAB-028 Cultivation Facility: Eustis
Address: 25548 County Rd 44A Extracted From: 5414 4936 1871 097 Matrix: Flower Cultivation Date: 7/6/2023
Address: Eustis, FL 32736 Cultivars: TK Test Reg State: Cannabis FL Production Facility: Eustis
 Description: TK - Flower Production Date: 8/8/2023

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: Date/Time: **Sample Analyzed By:** Date/Time:
 037 8/14/2023 10:47 037 8/14/2023 11:19
Batch Reviewed By: Date/Time: **Analysis #**
 027 8/14/2023 13:08 ICPMS_1_0812.b
Specimen wt (g): **Dilution:**
 0.1433 50
Analysis Method: **Instrument Used:**
 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

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: 5414 4936 1871 097	Matrix: Flower	Cultivation Date: 7/6/2023
Address: Eustis, FL 32736	Cultivars: TK	Test Reg State: Cannabis FL	Production Facility: Eustis
	Description: TK - Flower		Production Date: 8/8/2023

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:
025	8/14/2023 14:43	025	8/14/2023 15:54
Batch Reviewed By:	Date/Time:	Analysis #	
027	8/15/2023 7:50	2023_08_12 LC1 PEST1 .batch.bin	
Specimen wt (g):		Dilution:	
1.0307		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	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
		022	8/14/2023 10:21
Batch Reviewed By:	Date/Time:	Analysis #	
027	8/14/2023 12:19	1	
Specimen wt (g):		Dilution:	
1.03		1000	
Analysis Method:		Instrument Used:	
TM-012 Yeast and Molds		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:	Date/Time:	Sample Analyzed By:	Date/Time:
022	8/15/2023 9:21	022	8/15/2023 9:23
Batch Reviewed By:	Date/Time:	Analysis #	
027	8/15/2023 9:26	1	
Specimen wt (g):		Dilution:	
1.02		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.

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	8/14/2023 14:08		
Batch Reviewed By:	Date/Time:	Analysis #	
027	8/15/2023 7:08	FF	
Specimen wt (g):			
15.0			
Analysis Method:		Instrument Used:	
TM-010 Filth and Foreign Material		Electronic Balance	

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Anthony Repay
Lab Director-Micro

08/15/2023 12:44



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Address: Eustis, FL 32736	Cultivars: TK	Test Reg State: Cannabis FL	Production Facility: Eustis
	Description: TK - Flower		Production Date: 8/8/2023

WATER ACTIVITY		PASSED	
Analyte	Action Level (aw)	Result (aw)	Status
Water Activity	0.65	0.52	Pass
Sample Analyzed By:	Date/Time		
045	8/12/2023 16:50		
Batch Reviewed By:	Date/Time:	Analysis #	
040	8/14/2023 11:29	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	14.5	Pass
Sample Analyzed By:	Date/Time:		
045	8/12/2023 16:51		
Batch Reviewed By:	Date/Time:	Analysis #	
040	8/14/2023 11:29	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:		

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Director-Micro

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