Analytical Report



METRC Sample ID: 1A40A030000C419000034210



Steep Hill Massachusetts

Item Name:	Shatter -	Temptation F3
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[H] Cannabinoid Profile	Metro	ID Tag: 1A40A030	000C419000034210	Analysis Date: 01/31/24	
Datafile: SIR5-34210_1A40A030000C4190000	34210_522025_P	DTENCY_C_2024013	0_ML_01_1302024_32	2_03; Analyst(s): NG	
- Cannabinoids were analyzed using a High Performance Liquid Chromatograph equipped with a Photodiode Array Detector (HPLC-PDA) following SHMA SOP-002-GA; SOP-025-GA; SOP-073-GA.					
<u>Cannabinoid</u>	<u>LOQ (%)</u>	<u>Result (%)</u>	<u>Result (mg/g)</u>	<u>Result (mg/serv)</u>	
Tetrahydrocannabinolic acid (THCA)	0.2014	82.4460	824.460	N/A	
Δ 9-Tetrahydrocannabinol (Δ 9-THC)	0.2010	0.7277	7.277	N/A	
Cannabidiolic acid (CBDA)	0.2105	ND	ND	N/A	
Cannabidiol (CBD)	0.1996	ND	ND	N/A	
Cannabinol (CBN)	0.1835	ND	ND	N/A	
Cannabichromene (CBC)	0.1827	BLQ	BLQ	N/A	
Cannabigerolic acid (CBGA)	0.1892	2.6010	26.010	N/A	
Cannabigerol (CBG)	0.1816	0.3550	3.550	N/A	
Cannabidivarin (CBDV)	0.1829	ND	ND	N/A	
Tetrahydrocannabivarin (THCV)	0.1830	ND	ND	N/A	
Δ 8-Tetrahydrocannabinol (Δ 8-THC)	0.1827	ND	ND	N/A	
Total Available Cannabinoids	-	86.1297	861.297	-	
Note "NT": Not Tested; "ND": Not Detected; "BL	Q": Below limit of	Quantification.			

[I] Heavy Metals Anal	ysis	Metr	rc ID Tag: 1A40A030	000C419000034	210 Analysis Date	:: 02/01/24
Datafile: HM_A_202	40131_SD_SCD_TH D	IG-20240130_SG2 SIF	R5-34210		Analys	st(s): TH
Heavy Metals were me GA; SOP-072-GA.	easured using an Indu	ctively Coupled Plasm	na Mass Spectromete	er (ICP-MS) follo	wing SHMA SOP-021-	GA; SOP-061-
	LOQ	<u>Result</u>	All Use	es	Ingestion C	Only
<u>Analyte</u>	<u>(ppb)</u>	<u>(ppb)</u>	<u>Limit (ppb)</u>	Finding	<u>Limit (ppb)</u>	<u>Finding</u>
Total Arsenic	124.4	BLQ	200.0	Pass	1500.0	NA
Cadmium	82.9	BLQ	200.0	Pass	500.0	NA
Total Mercury	82.9	BLQ	100.0	Pass	1500.0	NA
Lead	207.3	BLQ	500.0	Pass	1000.0	NA

Note "NT": Not Tested; "ND": Not Detected; "BLQ": Below limit of Quantification.

[J] Microbial Contaminants Analysis

Metrc ID Tag: 1A40A030000C419000034210

Analyst(s): GC

Microbial contaminants were quantified using a 3M Petrifilm method and reported as colony forming units per gram (CFU/g). Samples were extracted and analyzed following SHMA SOP-700-MA.

	<u>Result</u>					
Analyte	<u>(CFU/g)</u>	Datafile	Analysis Date	<u>Limit (CFU/g)</u>	Finding	
Total Coliforms (CC)	ND	PLA-20240130_SD	02/02/24	1.00E+02	Pass	
Total Yeast and Mold (YM)	ND	PLA-20240130_SD	02/02/24	1.00E+03	Pass	
Total Viable Aerobic Bacteria (TAC)	ND	PLA-20240130_SD	02/02/24	1.00E+04	Pass	
Enterobacteriaceae (EB)	ND	PLA-20240130_SD	02/02/24	1.00E+02	Pass	
Note: "NT": Not Tested; "ND" Not Detected. Enterobacteriaceae is the family of bacteria also known as Bile-Tolerant Gram-Negative bacteria.						

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[K] Pathogenic Bacteria Results Datafile: PCR-20240131_KAR3_	M D2	etrc ID Tag: 1A40A030000C4	419000034210 Analysis Ai	Date: 02/02/24 nalyst(s): GC		
he presence or absence of STEC E. coli and Salmonella spp in the sample was determined using a PCR technique. Samples were ncubated for a minimum of 18 hours prior to DNA extraction following SHMA SOP-700-MA; SOP-701-GA; SOP-702-GA; SOP-703-GA; SOP- 04-GA.						
<u>Analyte</u> STEC E. coli Salmonella spp.	<u>Result</u> Not Detected Not Detected	<u>Analysis Date</u> 02/02/24 02/02/24	<u>Limit</u> Detection in 1.0 g Detection in 1.0 g	<u>Finding</u> Pass Pass		
Note: "NT": Not Tested; "ND": No [L] Mycotoxins Results	t Detected.	etrc ID Tag: 1A40A030000C4	419000034210 Analysis	Date: 01/31/24		
Mycotoxins were measured using following SHMA SOP-002-GA; SOF	a High Performance Liquid C -062-GA; SOP-070-GA.	hromatograph equipped wit	a tandem Mass Spectrom	nalyst(s): SD eter (HPLC-MS/MS)		
Analyte	LOQ (ppb)	<u>Result (ppb)</u>	<u>Limit (ppb)</u>	Finding		
Aflatoxin B1	20.0	ND	-	Tested		
Aflatoxin B2	20.0	ND	-	Tested		
Aflatoxin G1	20.0	ND	-	Tested		
Aflatoxin G2	20.0	ND	-	Tested		
Ochratoxin A	20.0	ND	-	Tested		
Total Mycotoxins		0.0	20.0	Pass		
Note "NT": Not Tested; "ND": Not	Detected; "BLQ": Below limi	t of Quantification.				

 [M] Residual Solvent Results
 Metrc ID Tag:
 1A40A030000C419000034210
 Analysis Date:
 02/01/24

 Datafile:
 SIR5-34210_1A40A030000C419000034210_522028--59333_RSA-20240131_AD_1312024_8.qg
 Analysis(s):
 AD

Residual Solvents were measured using a Headspace Sampler coupled to a Gas Chromatograph equipped with a tandem Mass Spectrometer (HS-GC-MS/MS) following SHMA SOP-011-GA; SOP-067-GA; SOP-010-GA.

<u>Analyte</u>	LOQ (ppm)	<u>Result (ppm)</u>	<u>Limit (ppm)</u>	Finding		
Ethanol	NT	NT	NT	NT		
Propane	6.21	BLQ	12	Pass		
iso-Butane	NT	NT	NT	NT		
n-Butane	6.14	7.27	12	Pass		
n-Pentane	NT	NT	NT	NT		
Acetone	NT	NT	NT	NT		
Note "NT": Not Tested; "ND": Not Detected; "BLQ": Below limit of Quantification.						



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[N] Pesticides Results		Metrc ID Tag:	NT	Analysis Date: NT
Datafile: NT				Analyst(s): NT
Pesticides were measured	using a High Performa	nce Liquid Chromatograph	equipped with a tandem	Mass Spectrometer (HPLC MS/MS)
following SHMA SOP-002-(GA; SOP-062-GA; SOP-()70-GA.		
<u>Analyte</u>	LOQ (ppb)	<u>Result (ppb)</u>	<u>Limit (ppb)</u>	Finding
Bifenazate	NT	NT	NT	NT
Bifenthrin	NT	NT	NT	NT
Cyfluthrin	NT	NT	NT	NT
Etoxazole	NT	NT	NT	NT
Imazalil	NT	NT	NT	NT
Imidacloprid	NT	NT	NT	NT
Myclobutanil	NT	NT	NT	NT
Spiromesifen	NT	NT	NT	NT
Trifloxystrobin	NT	NT	NT	NT
Note "NT": Not Tested: "B	I O": Below Limit of Ou	antification: "ND": Not Det	rected	
[O] Vitamin E Acetate Res	ults	Metrc ID Tag:	NT	Analysis Date: NT
Datafile: NT				Analyst(s): NT
Vitamin F Acetate was me	asured using a High Pe	rformance Liquid Chromati	ograph equipped with a ta	ndem Mass Spectrometer (HPLC
MS/MS) following SHMA S	OP-002-GA; SOP-062-1	MA; SOP-070-MA.		
<u>Analyte</u>	LOD (ppb)	<u>Result (ppb)</u>	<u>Limit (ppb)</u>	Finding
Vitamin E Acetate	-	NT	-	NT
Note "NT": Not Tested; "L0	OD": Limit of Detection	I		
[P] Terpenes Profile		Metrc ID Tag:	1A40A030000C419000034	4210 Analysis Date: 1/31/2024
Datafile: SIR5-34210_1A	40A030000C41900003	4210_5220971302024_	12.qgd	Analyst(s): NK

Please see last page of report for extended terpene profile

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QA/QC Section

[Q] Cannabinoid QC			Analysis Date: 01/31/24
Datafile: LCS_POTENCY_C_20240130_ML_	01_1302024_19_019.lcd		Analyst(s): NG
QC Notes: Quality control checks were prepa	red at known concentrations	and run alongside batch samples	S.
<u>Cannabinoid</u>	Measured Conc. (mg/mL)	Expected Conc. (mg/mL)	<u>% Recovery</u>
Tetrahydrocannabinolic acid (THCA)	0.045	0.050	91%
Δ 9-Tetrahydrocannabinol (Δ 9-THC)	0.044	0.050	88%
Cannabidiolic acid (CBDA)	0.046	0.050	91%
Cannabidiol (CBD)	0.045	0.050	90%
Cannabinol (CBN)	0.045	0.050	91%
Cannabichromene (CBC)	0.045	0.050	90%
Cannabigerolic acid (CBGA)	0.044	0.050	89%
Cannabigerol (CBG)	0.044	0.050	88%
Cannabidivarin (CBDV)	0.046	0.050	92%
Tetrahydrocannabivarin (THCV)	0.046	0.050	92%
Δ 8-Tetrahydrocannabinol (Δ 8-THC)	0.044	0.050	88%

[R] Heavy Metals QC

Datafile: HM_A_20240131_SD_SCD_TH DIG-20240130_SG2 LCS

Analysis Date: 02/01/24 Analyst(s): TH

QC Notes: Quality control checks were prepared at known concentrations and run alongside batch samples.

<u>Measured Conc.</u> (ppb)	Expected Conc. (ppb)	% Recoverv
3.6	4.0	91%
3.7	4.0	92%
3.9	4.0	98%
3.8	4.0	94%
	<u>Measured Conc.</u> (ppb) 3.6 3.7 3.9 3.8	Measured Conc. Expected Conc. (ppb) (ppb) 3.6 4.0 3.7 4.0 3.9 4.0 3.8 4.0

[S] Microbial Contaminants QC			Analysis Date:	2/2/2024
			Analy	st(s): GC
QC Notes: Quality control checks are included with	each run to assess the succes	ss of sample plating.		
		Positive Control	Negative	
Target	Datafile	<u>Result</u>	Control Result	Finding
Total Coliforms (CC)	PLA-20240130_SD	Detected	Not Detected	Pass
Total Yeast and Mold (YM)	PLA-20240130_SD	Detected	Not Detected	Pass
Total Viable Aerobic Bacteria (TAC)	PLA-20240130_SD	Detected	Not Detected	Pass
Enterobacteriaceae (EB)	PLA-20240130_SD	Detected	Not Detected	Pass
Expected Value		Detected	Not Detected	
Note: "NT": Not Tested; "ND" Not Detected.				

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[T] Pathogenic Bacteria QC			Analysis D	ate: 2/2/2024 Analyst(s): GC		
OC Notos: Quality control shocks are i	ncluded with each run to asses	s the success of instrumen	t run and polymoraso	chain reaction		
de Notes. Quality control checks are i		s the success of fist affen	it full and polymerase			
<u>Target</u> STEC E. coli Salmonella spp. Expected Value Note: "NT": Not Tested; "ND": Not De	<u>Datafile</u> PCR-20240131_KAF PCR-20240131_KAF tected.	$\begin{array}{ccc} \underline{Datafile} & \underline{Positive\ Control\ C} \\ PCR-20240131_KAR3_D2 & 14.45 \\ PCR-20240131_KAR3_D2 & \underline{20.52} \\ \hline Cq \leq 35 \end{array}$				
			A see here?	- D-+ 04/24/24		
				Is Date: 01/31/24		
Datafile: D:\Analyst Data\Projects\	SHMA 2023 PGMY_2\PGMY\D	ata\DataPGMY_A_20240	130_BJ_01.Wiff (sa	Analyst(s): SD		
QC Notes: Quality control checks were	e prepared at known concentra	tions and run alongside ba	tch samples.			
Analyte	Measured Conc. (ppb)	Expected Conc. (<u>ppb) %</u>	Recovery		
Aflatoxin B1	0.8	0.9		93%		
Aflatoxin B2	0.8	0.9		87%		
Aflatoxin G1	Aflatoxin G1 0.8 0.9 88% Aflatoxin G2 0.8 0.0 00%					
Ochratoxin A	0.8	0.9	J.9 90%			
	•••					
[V] Residual Solvent QC Datafile: CCV_LIQ_GAS_20240131_/	AD_02_N\$A_1312024_3.qgd		Analysi	is Date: 02/01/24 Analyst(s): AD		
QC Notes: Quality control checks were	e prepared at known concentra	tions and run alongside ba	itch samples.			
Analyte	Measured Conc. (ppb)	Expected Conc. (ppb) <u>%</u>	Recovery		
Ethanol	NT	NT		NT		
iso-Butane	NT	NT		NT		
Propane	0.9	0.7		128%		
n-Butane	1.3	1.7		79%		
n-Pentane	NT	NT		NT		
Acetone	NT	NT		NT		
[W] Pesticides QC Datafile: NT			Analysi	is Date: NT Analyst(s): NT		
QC Notes: Quality control checks were	e prepared at known concentra	tions and run alongside ba	itch samples.			
Analyte	Measured Conc (ppb)	Expected Conc (ppb)	<u>% Recovery</u>	Finding		
Bifenazate	NT	NT	NT	NT		
Bifenthrin	NT	NT	NT	NT		
Cyfluthrin	NT	NT	NT	NT		
Etoxazole	NT	NT	NT	NT		
Imazalil	NT	NT	NT	NT		
Imidacloprid	NT	NT	NT	NT		
Myclobutanil	NT	NT	NT	NT		
Spiromesifen	NT	NT	NT	NT		
Trifloxystrobin	NT	NT	NT	NT		

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[X] Vitamin E Acetate QC				Analysis Date:	NT
Datafile: NT				Analyst(s):	NT
QC Notes: Quality control checks	were prepared at kn	own concentrations	and run alongside batch samples.		
Analyte	Obser	ved Result	Expected Result	Finding	
Vitamin E Acetate	<u></u>	NT	NT	NT	
					124 12224
[Y] Extended Terpenes Profile	00000440000024240	Metrc ID Tag:	1A40A030000C419000034210	Analysis Date: 1	/31/2024
Datafile: SIR5-34210_1A40A030	0000C419000034210	_5220971302024	_12.qga	Analyst(s):	NIN motor (US
GC-MS/MS) following SHMA SOP-	1010 autosampier inje 011-GA: SOP-067-GA	$\Delta \cdot SOP_0 10_G \Delta$	romatograph equipped with a tar	idem wass spectrol	meter (HS-
Terpenes	LOD (%)	Result (%)	Result (mg/g)		
alpha-Pinene	0.0006	0.1088	1.088		
Camphene	0.0004	0.0959	0.959		
beta-Pinene	0.0005	0.1265	1.265		
beta-Myrcene	0.0005	0.1222	1.222		
Dimensio	0.0017	0 2522	2 522		
D-Limonene	0.0017	0.2523	2.523		
Ocimono	0 0002	0 1117	1 117		
Ocimene	0.0005	0.1117	1.11/		
Fenchone	0.0006	0.0455	0.455		
Linalool	0.0005	0.6557	6.557		
Fenchol	0.0531	0.1744	1.744		
Terpineol	0.0006	0.2445	2.445		
Geraniol	0.0007	0.0960	0.960		
Carvanhyllana	0.0000	1 6282	16 282		
	0.0009	0 5015	5 015		
aipha-numulene	0.0000	0.5015	5.015		
trans-Nerolidol	0.0006	0.2436	2.436		
Caryophyllene oxide	0.0007	0.1489	1.489		
alpha-Bisabolol	0.0007	0.2160	2.160		
Total Terpenes	-	4.7818	47.818		
Note 'NT': Not Tested. '*': for I	R&D purposes only	<i>'</i> .			

- End of Analytical Report -