



Obelisk/Achieve

License #: 1615490FACF133205187
1039 E. Carefree Hwy
Phoenix, AZ 85085
(602) 224-5999

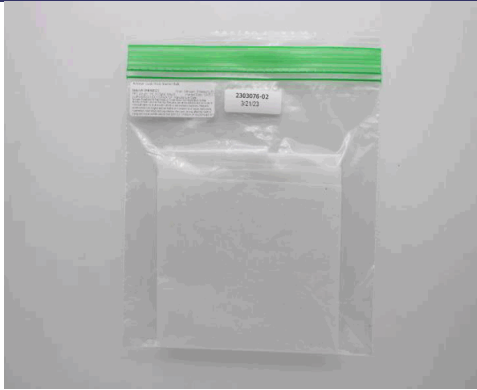
Additional Licenses:
Batch #: GM090522; External Lot #:
Source Batch #:
Sample Batch Collection: 03/21/23 11:00
Sample Received: 3/21/2023; Report Created: 3/28/2023

Gush Mintz Shatter

Laboratory Number: 2303076-02
Matrix: Concentrates

Metals PASS	Pesticides PASS	Residual Solvents PASS	E. coli PASS	Mycotoxins PASS	Aspergillus PASS	Salmonella PASS
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Sample Image



Residual Solvents (GC-MS) Analyzed: 03/23/23 By: ZEN

SOP: 004	RL	ppm	Q
Propane	581.40	ND	
Butanes	581.40	ND	
Pentanes	134.88	ND	
Acetonitrile	190.70	ND	
Dichloromethane	279.07	ND	
Hexanes	134.88	ND	
Chloroform	27.91	ND	
n-Heptane	2325.6	ND	
Methanol	1395.3	ND	
Ethanol	2325.6	ND	
Diethyl Ether	2325.6	ND	
Acetone	465.12	ND	
Isopropanol	2325.6	ND	
Ethyl acetate	2325.6	ND	
Isopropyl acetate	2325.6	ND	
Benzene	0.93	ND	
Toluene	413.95	ND	
Xylenes	93.02	ND	

Cannabinoid (HPLC-DAD) Analyzed: 03/27/23 By: EGP

SOP: 003	LOQ %	%	mg/g	Q
THC-A	1.46	76.80	768	D1
delta 9-THC	1.46	9.84	98	D1
delta 8-THC	0.05	ND	ND	
THC-V	0.05	0.09	0.9	
CBG-A	0.05	0.81	8.1	
CBD-A	0.05	0.17	1.7	
CBD	0.05	ND	ND	
CBD-V	0.05	ND	ND	
CBN	0.05	0.12	1.2	
CBG	0.05	0.45	4.5	
CBC	0.05	0.15	1.5	

Metals (ICP-MS) Analyzed: 03/24/23 By: MLC

SOP: 035	RL	ppm	Q
Arsenic	0.099	ND	
Cadmium	0.099	ND	
Lead	0.247	ND	
Mercury	0.099	ND	

Microbials (Petrifilm) Analyzed: 3/23/2023 By: OMS

SOP: 023	RL	Result	Units	Q
E. coli	10	<10	cfu/g	

Microbials (PCR) Analyzed: 3/24/2023 By: ATF

SOP: 015	RL	Result	Units	Q
Aspergillus	1.00	Not Detected	per gram	

Microbials (PCR) Analyzed: 3/28/2023 By: SPS

SOP: 028	RL	Result	Units	Q
Salmonella	1.00	Not Detected	per gram	

Total THC 77.19 % 771.54 mg/g	Total CBD 0.15 % 1.49 mg/g	Total Cannabinoids 88.43 % 883.90 mg/g
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Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDA * 0.877 + CBD

Mycotoxins (LC-MS/MS) Analyzed: 03/28/23 By: KSG

SOP: 011	RL	ppb	Q
Aflatoxins	11.0	ND	
Ochratoxins	11.0	ND	

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Erin Polly
Technical Laboratory Director



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Certificate of Analysis
ISO/IEC 17025:2017 Certificate #: AT-2837
License #: 00000003LCIN00627986

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Pesticides (LC-MS/MS) Analyzed: 03/27/23 By: KSG							
SOP: 011	RL	ppm	Q	RL	ppm	Q	
Acephate	0.219	ND		Acequinocyl	1.10	ND	
Acetamiprid	0.110	ND		Aldicarb	0.219	ND	
Azoxystrobin	0.110	ND		Bifenthrin	0.110	ND	
Boscalid	0.219	ND		Carbaryl	0.110	ND	
Carbofuran	0.110	ND		Chlorpyrifos	0.110	ND	
Diazinon	0.110	ND		Dimethoate	0.110	ND	
Ethoprophos	0.110	ND		Etofenprox	0.219	ND	
Etoxazole	0.110	ND		Fenoxycarb	0.110	ND	R1
Fenpyroximate E	0.219	ND		Fonicamid	0.548	ND	
Fludioxonil	0.219	ND		Hexythiazox	0.548	ND	
Imazalil	0.110	ND		Imidacloprid	0.219	ND	
Kresoxim-methyl	0.219	ND		Malathion	0.110	ND	
Metalaxyl	0.110	ND		Methiocarb	0.110	ND	
Methomyl	0.219	ND		Myclobutanil	0.110	ND	
Naled	0.274	ND		Oxamyl	0.548	ND	
Piperonyl butoxide	1.10	ND		Propiconazole	0.219	ND	
Propoxure	0.110	ND		Spiromesifen	0.110	ND	
Spirotetramat	0.110	ND		Spiroxamine	0.219	ND	
Tebuconazole	0.219	ND		Thiacloprid	0.110	ND	
Thiamethoxam	0.110	ND		Trifloxystrobin	0.110	ND	
Abamectin	0.274	ND		Bifenazate	0.110	ND	
Chlorantraniliprole	0.110	ND		Clofentezine	0.110	ND	
Cyfluthrin	1.10	ND		Cypermethrin	0.548	ND	
Daminozide	0.548	ND		DDVP (Dichlorvos)	0.055	ND	
Fipronil	0.219	ND		Paclobutrazol	0.219	ND	
Permethrins	0.110	ND		Phosmet	0.110	ND	
Prallethrin	0.110	ND		Pyrethrins	0.548	ND	
Pyridaben	0.110	ND		Spinosad	0.110	ND	
Chlorfenapyr	1.10	ND					

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Microbials (Petrifilm) Analyzed: By:				
SOP: 006	RL	Result	Units	Q
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	

Terpenes (GC-MS) Analyzed: 03/23/23 By: MLC			
SOP: 005	mg/g	%	Q
alpha-Bisabolol	ND	ND	
(-)-Borneol and (+)-Borneol	ND	ND	
Camphene	ND	ND	
Camphor	ND	ND	
beta-Caryophyllene	ND	ND	
trans-Caryophyllene	4.6	0.46	
Caryophyllene Oxide	ND	ND	
alpha-Cedrene	ND	ND	
Cedrol	ND	ND	
Endo-fenchyl Alcohol	1.4	0.14	
Eucalyptol	ND	ND	
Fenchone	ND	ND	
Geraniol	ND	ND	
Geranyl acetate	ND	ND	
Guaiol	ND	ND	
Hexahydrothymol	ND	ND	
alpha-Humulene	2.2	0.22	
Isoborneol	ND	ND	
Isopulegol	ND	ND	
Limonene	7.6	0.76	
Linalool	4.0	0.40	
p-Mentha-1,5-diene	ND	ND	
beta-Myrcene	1.5	0.15	
trans-Nerolidol	ND	ND	
Ocimene	ND	ND	
alpha-Pinene	ND	ND	
beta-Pinene	ND	ND	
Pulegone	ND	ND	
Sabinene	ND	ND	
Sabinene Hydrate	ND	ND	
gamma-Terpinene	ND	ND	
alpha-Terpinene	ND	ND	
3-Carene	ND	ND	
Terpineol	2.1	0.21	
Terpinolene	ND	ND	
Valencene	ND	ND	
Nerol	ND	ND	
cis-Nerolidol	ND	ND	
Total Terpenes	23.40	2.34	

Water Activity (Water Activity Meter) Analyzed: By:			
SOP: 007	AW, 25 °C		Q
Water Activity		NT	

Moisture (Moisture Analyzer) Analyzed: By:			
SOP: 008	%		Q
Percent Moisture		NT	

pH Test (pH Meter) Analyzed: By:			
SOP: 022	NA		Q
pH		NT	

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QUALIFIER DEFINITIONS

- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
R1 The relative percent difference (RPD) for the laboratory control sample and duplicate is more than 20%, but the percent recovery for the laboratory control sample and duplicate is within acceptance criteria.

CASE NARRATIVE

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