

## Obelisk/Achieve

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

Additional Licenses:  
Batch #: 9800874039116735  
Sample Batch Collection: 06/10/21 00:00; Sample Batch Collected By: Bobby Johnson  
Sample Received: 6/10/2021; Report Created: 7/3/2021

Gorilla Cookies Sugar

Laboratory Number: 2106125-04  
Concentrates

<b>Herbicides</b> PASS	<b>Pesticides</b> PASS	<b>Residual Solvents</b> PASS	<b>Metals</b> PASS	<b>Mycotoxins</b> PASS	<b>Aspergillus</b> PASS	<b>E. Coli/ Salmonella</b> PASS
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Sample Image



Residual Solvents (GCMS-MS) Analyzed: 06/25/21 By: LEH

Analyte	RL	ppm	Q
Propane	625.00	ND	
Butanes	625.00	920.39	M4
Pentanes	145.00	ND	
Acetonitrile	205.00	ND	
Dichloromethane	300.00	ND	
Hexanes	145.00	ND	
Chloroform	30.00	ND	
n-Heptane	2500.0	ND	
Methanol	1500.0	ND	
Ethanol	2500.0	ND	
Diethyl Ether	2500.0	ND	
Acetone	500.00	ND	
Isopropanol	2500.0	ND	
Ethyl acetate	2500.0	ND	
Isopropyl acetate	2500.0	ND	
Benzene	1.00	ND	
Toluene	445.00	ND	
Xylenes	100.00	ND	

Cannabinoid (HPLC) Analyzed: 06/18/21 By: MLC

Analyte	LOQ %	%	mg/g	Q
THC-A	1.96	74.92	749	D1
delta 9-THC	1.96	17.92	179	D1
delta 8-THC	0.10	ND	ND	
THC-V	0.10	0.15	1.51	
CBG-A	0.10	1.67	16.7	
CBD-A	0.10	0.16	1.56	
CBD	0.10	ND	ND	
CBD-V	0.10	ND	ND	
CBN	0.10	ND	ND	
CBG	0.10	0.62	6.18	
CBC	0.10	0.32	3.18	

Metals (ICP-MS) Analyzed: 06/23/21 By: JVR

Element	RL	ppm	Q
Arsenic	0.100	ND	M1
Cadmium	0.100	ND	
Lead	0.100	ND	
Mercury	0.010	ND	

Regulated Microbials (Petrifilm) Analyzed: 6/16/2021 By: NKB

Pathogens	RL	Result	Units	Q
E. coli	10.0	ND	cfu/g	

Regulated Microbials (PCR) Analyzed: 6/15/2021 By: LEF

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	cfu/g	
Salmonella	1.00	Absent	cfu/g	

83.60 % 836.00 mg/g <b>Total THC</b>	0.14 % 1.37 mg/g <b>Total CBD</b>	95.80 % 958.00 mg/g <b>Total Cannabinoids</b>
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Total THC = THCa \* 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDA \* 0.877 + CBD

Regulated Mycotoxins (LC-MS TQ) Analyzed: 07/02/21 By: EGP

Pathogens	RL	ppb	Q
Aflatoxins	0.954	ND	M2
Ochratoxins	1.91	ND	L1, N1

RL = Reporting Limit  
NA = Not Applicable  
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LOQ = Limit of Quantification

*Tabitha A. Hauer*  
Tabitha Hauer  
Owner

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# Certificate of Analysis

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Pesticides (LC-MS TQ) Analyzed: 06/29/21 By: EGP							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.191	ND		Acequinocyl	0.954	ND	
Acetamiprid	0.095	ND		Aldicarb	0.191	ND	
Azoxystrobin	0.095	ND		Bifenthrin	0.095	ND	
Boscalid	0.191	ND		Carbaryl	0.095	ND	
Carbofuran	0.095	ND		Chlorpyrifos	0.095	ND	
Diazinon	0.095	ND		Dimethoate	0.095	ND	
Ethoprophos	0.095	ND		Etofenprox	0.191	ND	
Etoxazole	0.095	ND		Fenoxycarb	0.095	ND	
Fenpyroximate E	0.191	ND		Fonicamid	0.477	ND	
Fludioxonil	0.191	ND	R1	Hexythiazox	0.477	ND	
Imazalil	0.095	ND		Imidacloprid	0.191	ND	
Kresoxim-methyl	0.191	ND		Malathion	0.095	ND	
Metalaxyl	0.095	ND		Methiocarb	0.095	ND	
Methomyl	0.191	ND		Myclobutanil	0.095	ND	
Naled	0.238	ND		Oxamyl	0.477	ND	
Piperonyl butoxide	0.954	ND		Propiconazole	0.191	ND	
Propoxure	0.095	ND		Spiromesifen	0.095	ND	
Spirotetramat	0.095	ND		Spiroxamine	0.191	ND	
Tebuconazole	0.191	ND		Thiacloprid	0.095	ND	
Thiamethoxam	0.095	ND		Trifloxystrobin	0.095	ND	
Abamectin	0.238	ND		Bifenazate	0.095	ND	
Chlorantraniliprole	0.095	ND		Clofentezine	0.095	ND	
Cyfluthrin	0.477	ND		Cypermethrin	0.477	ND	
Daminozide	0.477	ND	L1	DDVP (Dichlorvos)	0.048	ND	N1
Fipronil	0.191	ND		Paclobutrazol	0.191	ND	
Permethrins	0.095	ND		Phosmet	0.095	ND	
Prallethrin	0.095	ND	V1	Pyrethrins	0.477	ND	
Pyridaben	0.095	ND		Spinosad	0.095	ND	
Chlorfenapyr	0.954	ND					

Herbicides (LC-MS TQ) Analyzed: 07/02/21 By: EGP			
Analyte	RL	ppm	Q
Pendimethalin	0.048	ND	

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### Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
<b>Pathogens</b>				
Total Coliform	NT	NT	cfu/g	Q3
Yeast	NT	NT	cfu/g	Q3
Mold	NT	NT	cfu/g	Q3
Aerobic Bacteria	NT	NT	cfu/g	Q3
Enterobacteria	NT	NT	cfu/g	Q3

### Terpenes (GCMS-MS) Analyzed: By:

	mg/g	%	Q
<b>Compound</b>			
alpha-Bisabolol	NT	NT	Q3
(-)-Borneol and (+)-Borneol	NT	NT	Q3
Camphene	NT	NT	Q3
Camphor	NT	NT	Q3
beta-Caryophyllene	NT	NT	Q3
trans-Caryophyllene	NT	NT	Q3
Caryophyllene Oxide	NT	NT	Q3
alpha-Cedrene	NT	NT	Q3
Cedrol	NT	NT	Q3
Endo-fenchyl Alcohol	NT	NT	Q3
Eucalyptol	NT	NT	Q3
Fenchone	NT	NT	Q3
Geraniol	NT	NT	Q3
Geranyl acetate	NT	NT	Q3
Guaiol	NT	NT	Q3
Hexahydrothymol	NT	NT	Q3
alpha-Humulene	NT	NT	Q3
Isoborneol	NT	NT	Q3
Isopulegol	NT	NT	Q3
Limonene	NT	NT	Q3
Linalool	NT	NT	Q3
p-Mentha-1,5-diene	NT	NT	Q3
beta-Myrcene	NT	NT	Q3
trans-Nerolidol	NT	NT	Q3
Ocimene	NT	NT	Q3
alpha-Pinene	NT	NT	Q3
beta-Pinene	NT	NT	Q3
Pulegone	NT	NT	Q3
Sabinene	NT	NT	Q3
Sabinene Hydrate	NT	NT	Q3
gamma-Terpinene	NT	NT	Q3
alpha-Terpinene	NT	NT	Q3
3-Carene	NT	NT	Q3
Terpineol	NT	NT	Q3
Terpinolene	NT	NT	Q3
Valencene	NT	NT	Q3
Nerol	NT	NT	Q3
cis-Nerolidol	NT	NT	Q3
<b>Total Terpenes</b>	NT	NT	Q3

### Water Activity (Moisture Reactor) Analyzed: By:

	AW	Q
<b>Compound</b>		
Water Activity	NT	Q3

### Moisture (Drying Oven) Analyzed: By:

	%	Q
<b>Compound</b>		
Percent Moisture	NT	Q3

### pH Test (HannHI11310) Analyzed: By:

	NA	Q
<b>Compound</b>		
pH	NT	Q3

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### QUALIFIER DEFINITIONS AND CASE NARRATIVE

- Q3 Testing results is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R 9-17-317.01(A) or labeling requirements in R9-17-317.
- D1 The limit of quantitation and the sample results were adjusted to reflect sample dilution.
- L1 The percent recovery of a laboratory control sample is greater than the acceptance limits, but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.
- M1 Matrix spike recovery is high, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- M2 Matrix spike recovery is low, but the recovery from the laboratory control sample and duplicate are within acceptance criteria.
- M4 The analysis of the matrix spike required a dilution such that the spike recovery calculation does not provide useful information, but the recovery from the associated laboratory control sample and duplicate are within acceptance criteria.
- N1 A description of any variances from the requirements in the QAP, the applicable SOPs, or that Administration made to ensure scientifically valid and defensible testing results, and the reason for the variance; see case narrative.
- 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.
- V1 Continuing Calibration Verification (CCV) or Quality Control Sample (QCS) recovery exceeds acceptable limits; but the sample's target analytes are not detected above the maximum allowable concentrations for the analytes in the sample.

Testing results were obtained according to requirements in the quality assurance plan in R 9-17-404.05, in the applicable standard operating procedure, and in R9-17- 404.03 or R9-17-404.04; A description of any variances from the requirements, and the reason for the variance will be described in the Work Order memo.

N1: MS does not meet acceptance criteria (propane)

N1-MS for Ochratoxins did not meet acceptance criteria.

N1-Full list pesticides not approved per ADHS rules on Apollo (LC-QQQ). All QC passes acceptance criteria.

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