

## Obelisk/Achieve

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

Additional Licenses:  
Batch #: 3997205975398004

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

### Crunch Berries Sugar

Laboratory Number: 2106125-03  
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	ND	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	1.85	88.45	884	D1
delta 9-THC	0.09	5.35	53.5	
delta 8-THC	0.09	ND	ND	
THC-V	0.09	ND	ND	
CBG-A	0.09	1.05	10.5	
CBD-A	0.09	0.16	1.58	
CBD	0.09	ND	ND	
CBD-V	0.09	ND	ND	
CBN	0.09	ND	ND	
CBG	0.09	0.16	1.63	
CBC	0.09	0.13	1.32	

#### 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	

82.95 % 829.50 mg/g <b>Total THC</b>	0.14 % 1.38 mg/g <b>Total CBD</b>	95.30 % 953.00 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	1.03	ND	M2
Ochratoxins	2.07	ND	L1, N1

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*Tabitha A. Hauer*  
Tabitha Hauer  
Owner

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Pesticides (LC-MS TQ) Analyzed: 06/29/21 By: EGP							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.207	ND		Acequinocyl	1.03	ND	
Acetamiprid	0.103	ND		Aldicarb	0.207	ND	
Azoxystrobin	0.103	ND		Bifenthrin	0.103	ND	
Boscalid	0.207	ND		Carbaryl	0.103	ND	
Carbofuran	0.103	ND		Chlorpyrifos	0.103	ND	
Diazinon	0.103	ND		Dimethoate	0.103	ND	
Ethoprophos	0.103	ND		Etofenprox	0.207	ND	
Etoxazole	0.103	ND		Fenoxycarb	0.103	ND	
Fenpyroximate E	0.207	ND		Fonicamid	0.517	ND	
Fludioxonil	0.207	ND	R1	Hexythiazox	0.517	ND	
Imazalil	0.103	ND		Imidacloprid	0.207	ND	
Kresoxim-methyl	0.207	ND		Malathion	0.103	ND	
Metalaxyl	0.103	ND		Methiocarb	0.103	ND	
Methomyl	0.207	ND		Myclobutanil	0.103	ND	
Naled	0.259	ND		Oxamyl	0.517	ND	
Piperonyl butoxide	1.03	ND		Propiconazole	0.207	ND	
Propoxure	0.103	ND		Spiromesifen	0.103	ND	
Spirotetramat	0.103	ND		Spiroxamine	0.207	ND	
Tebuconazole	0.207	ND		Thiacloprid	0.103	ND	
Thiamethoxam	0.103	ND		Trifloxystrobin	0.103	ND	
Abamectin	0.259	ND		Bifenazate	0.103	ND	
Chlorantraniliprole	0.103	ND		Clofentezine	0.103	ND	
Cyfluthrin	0.517	ND		Cypermethrin	0.517	ND	
Daminozide	0.517	ND	L1	DDVP (Dichlorvos)	0.052	ND	N1
Fipronil	0.207	ND		Paclobutrazol	0.207	ND	
Permethrins	0.103	ND		Phosmet	0.103	ND	
Prallethrin	0.103	ND	V1	Pyrethrins	0.517	ND	
Pyridaben	0.103	ND		Spinosad	0.103	ND	
Chlorfenapyr	1.03	ND					

Herbicides (LC-MS TQ) Analyzed: 07/02/21 By: EGP			
Analyte	RL	ppm	Q
Pendimethalin	0.052	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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