

Obelisk/Achieve

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

Additional Licenses:
Batch #: 1

Sample Batch Collection: 04/14/21 00:00; Sample Batch Collected By: Bobby Johnson
Sample Received: 4/14/2021; Report Created: 5/3/2021

Clementine Sugar

Laboratory Number: 2104112-03

Concentrates

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



Residual Solvents (GCMS-MS) Analyzed: 04/23/21 By: LEH

Analyte	RL	ppm	Q
Propane	625.00	ND	
Butanes	625.00	ND	
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: 04/21/21 By: CBH

Analyte	LOQ %	%	mg/g	Q
THC-A	1.92	86.08	861	D1
delta 9-THC	0.10	5.26	52.6	
delta 8-THC	0.10	ND	ND	
THC-V	0.10	0.19	1.87	
CBG-A	0.10	6.28	62.8	
CBD-A	0.10	0.25	2.45	
CBD	0.10	ND	ND	
CBD-V	0.10	ND	ND	Q3
CBN	0.10	ND	ND	Q3
CBG	0.10	0.70	6.95	Q3
CBC	0.10	0.10	1.01	

Metals (ICP-MS) Analyzed: 04/27/21 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: 4/16/2021 By: LEF

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

Regulated Microbials (PCR) Analyzed: 4/19/2021 By: LEF

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

80.76 % 807.60 mg/g Total THC	0.22 % 2.15 mg/g Total CBD	98.80 % 988.00 mg/g Total Cannabinoids
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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: 04/27/21 By: KSG

Pathogens	RL	ppb	Q
Aflatoxins	1.04	ND	Q3
Ochratoxins	2.09	ND	Q3

RL = Reporting Limit
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Tabitha Hauer
Owner

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Certificate of Analysis

00000003LCIN00627986

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Pesticides (LC-MS TQ) Analyzed: 04/26/21 By: KSG							
Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.104	ND	V1	Acequinocyl	0.522	ND	
Acetamiprid	0.052	ND	V1	Aldicarb	0.104	ND	R1, V1
Azoxystrobin	0.052	ND	V1	Bifenthrin	0.052	ND	
Boscalid	0.104	ND	V1	Carbaryl	0.052	ND	V1
Carbofuran	0.052	ND	V1	Chlorpyrifos	0.052	ND	V1
Diazinon	0.052	ND	V1	Dimethoate	0.052	ND	
Ethoprophos	0.052	ND	V1	Etofenprox	0.104	ND	V1
Etoxazole	0.052	ND	L1, V1	Fenoxycarb	0.052	ND	V1
Fenpyroximate E	0.104	ND	L1, V1	Fonicamid	0.261	ND	V1
Fludioxonil	0.104	ND	V1	Hexythiazox	0.261	ND	
Imazalil	0.052	ND	V1	Imidacloprid	0.104	ND	V1
Kresoxim-methyl	0.104	ND	V1	Malathion	0.052	ND	V1
Metalaxyl	0.052	ND	L1, V1	Methiocarb	0.052	ND	V1
Methomyl	0.104	ND	V1	Myclobutanil	0.052	ND	V1
Naled	0.130	ND	V1	Oxamyl	0.261	ND	V1
Piperonyl butoxide	0.522	ND		Propiconazole	0.104	ND	
Propoxure	0.052	ND	V1	Spiromesifen	0.052	ND	L1, N1, V1
Spirotetramat	0.052	ND	V1	Spiroxamine	0.104	ND	V1
Tebuconazole	0.104	ND	V1	Thiacloprid	0.052	ND	V1
Thiamethoxam	0.052	ND	V1	Trifloxystrobin	0.052	ND	V1

Herbicides (LC-MS TQ) Analyzed: 04/26/21 By: KSG			
Analyte	RL	ppm	Q
Pendimethalin	0.020	ND	

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Tabitha A. Hauer
Tabitha Hauer
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Non-Regulated Microbials (PetriFilms) Analyzed: By:

	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	Q3
Mold	NT	NT	cfu/g	Q3
Yeast	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
Compound			
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
Total Terpenes	NT	NT	Q3

Water Activity (Moisture Reactor) Analyzed: By:

	AW	Q
Compound		
Water Activity	NT	Q3

Moisture (Drying Oven) Analyzed: By:

	%	Q
Compound		
Percent Moisture	NT	Q3

pH Test (HannHI11310) Analyzed: By:

	NA	Q
Compound		
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.
- 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 - Spiromesifen matrix spike recovery outside acceptance criteria.

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