51 W. Weldon Ave
Phoenix, AZ
(480) 788-6644
www.desertvalleytesting.com

Certificate of Analysis

00000003LCIN00627986

Vapen

License#: 00000086DCKR00375578
4215 N. 40th Ave.
Phoenix, AZ 85019
(623) 224-0083

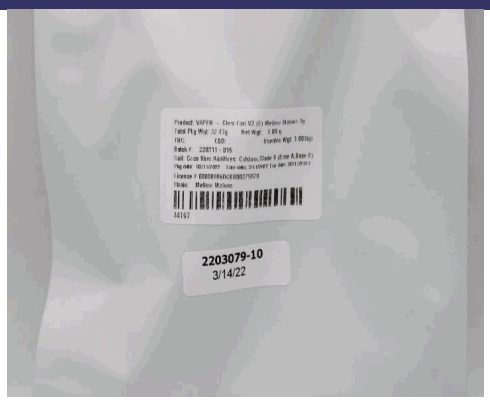
Additional Licenses:
Batch #: 220311-015; External Lot #:
Sample Batch Collection:03/11/22 12:33; Sample Batch Collected By:Vapen
Sample Received:3/14/2022; Report Created: 3/21/2022

Mellow Melons Cartridge

Laboratory Number: 2203079-10
Concentrates

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

Sample Image



Cannabinoid (HPLC) Analyzed: 03/17/22 By: JVR

Analyte	LOQ %	%	mg/g	Q
THC-A	0.10	ND	ND	
delta 9-THC	2.03	79.33	793.3	D1
delta 8-THC	0.10	ND	ND	
THC-V	0.10	0.50	5.00	
CBG-A	0.10	0.10	1.00	
CBD-A	0.10	ND	ND	
CBD	0.10	0.36	3.60	
CBD-V	0.10	ND	ND	
CBN	0.10	0.85	8.50	
CBG	0.10	3.55	35.5	
CBC	0.10	0.54	5.40	

79.33 % 793.30 mg/g	0.36 % 3.60 mg/g	85.23 % 852.30 mg/g
Total THC	**Total CBD**	**Total Cannabinoids**

Total THC = THCa * 0.877 + delta 9-THC + delta 8-THC; Total CBD = CBDa * 0.877 + CBD

Regulated Mycotoxins (LC-MS TQ) Analyzed: 03/16/22 By: EGP

Pathogens	RL	ppb	Q
Aflatoxins	1.03	ND	V1
Ochratoxins	2.06	ND	

Residual Solvents (GCMS-MS) Analyzed: 03/18/22 By: HMH

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	

Metals (ICP-MS) Analyzed: 03/17/22 By: LEH

Element	RL	ppm	Q
Arsenic	0.103	ND	M1
Cadmium	0.103	ND	
Lead	0.103	ND	
Mercury	0.010	ND	

Regulated Microbials (Petrifilm) Analyzed: 3/17/2022 By: AF

Pathogens	RL	Result	Units	Q
E. coli	10	<10	cfu/g	

Regulated Microbials (PCR) Analyzed: 3/17/2022 By: MLC

Pathogens	RL	Result	Units	Q
Aspergillus	1.00	Absent	per gram	
Salmonella	1.00	Absent	per gram	

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Erin Polly
Technical Laboratory Director

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Pesticides (LC-MS TQ) Analyzed: 03/16/22 By: ZEN

Analyte	RL	ppm	Q	Analyte	RL	ppm	Q
Acephate	0.206	ND		Acequinocyl	1.03	ND	
Acetamiprid	0.103	ND		Aldicarb	0.206	ND	
Azoxystrobin	0.103	ND		Bifenthrin	0.103	ND	
Boscalid	0.206	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	0.206	ND	
Etoxazole	0.103	ND		Fenoxycarb	0.103	ND	R1
Fenpyroximate E	0.206	ND		Flonicamid	0.516	ND	
Fludioxonil	0.206	ND		Hexythiazox	0.516	ND	
Imazalil	0.103	ND		Imidacloprid	0.206	ND	
Kresoxim-methyl	0.206	ND		Malathion	0.103	ND	
Metalaxyl	0.103	ND		Methiocarb	0.103	ND	
Methomyl	0.206	ND		Myclobutanil	0.103	ND	
Naled	0.258	ND		Oxamyl	0.516	ND	
Piperonyl butoxide	1.03	ND		Propiconazole	0.206	ND	
Propoxure	0.103	ND		Spiromesifen	0.103	ND	
Spirotetramat	0.103	ND		Spiroxamine	0.206	ND	
Tebuconazole	0.206	ND		Thiacloprid	0.103	ND	
Thiamethoxam	0.103	ND		Trifloxystrobin	0.103	ND	
Abamectin	0.258	ND		Bifenazate	0.103	ND	L1
Chlorantraniliprole	0.103	ND		Clofentezine	0.103	ND	
Cyfluthrin	1.03	ND		Cypermethrin	0.516	ND	
Daminozide	0.516	ND		DDVP (Dichlorvos)	0.052	ND	
Fipronil	0.206	ND		Paclobutrazol	0.206	ND	
Permethrins	0.103	ND	V1	Phosmet	0.103	ND	
Prallethrin	0.103	ND		Pyrethrins	0.516	ND	M1
Pyridaben	0.103	ND		Spinosad	0.103	ND	
Chlorfenapyr	1.03	ND					

Herbicides (LC-MS TQ) Analyzed: 03/16/22 By: ZEN

Analyte	RL	ppm	Q
Pendimethalin	0.052	ND	

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Non-Regulated Microbials (PetriFilms) Analyzed: By:	RL	Result	Units	Q
Pathogens				
Total Coliform	NT	NT	cfu/g	
Yeast	NT	NT	cfu/g	
Mold	NT	NT	cfu/g	
Aerobic Bacteria	NT	NT	cfu/g	
Enterobacteria	NT	NT	cfu/g	

Water Activity (Moisture Reacter) Analyzed: By:		AW	Q
Compound			
Water Activity		NT	

Moisture (Drying Oven) Analyzed: By:		%	Q
Compound			
Percent Moisture	NT	NT	

pH Test (HannHI11310) Analyzed: By:		NA	Q
Compound			
pH		NT	

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

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QUALIFIER DEFINTIONS 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.
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.

Terpene analysis not regulated by Arizona Department of Health.

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.

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