

## Vapen

License#: 00000086DCKR00375578

4215 N. 40th Ave.

Phoenix, AZ 85019

(623) 224-0083

Additional Licenses:

Batch #: 220311-007; 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

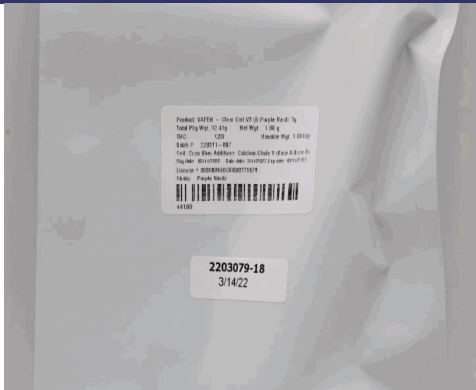
Purple Nerdz Cartridge

Laboratory Number: 2203079-18

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: 03/19/22 By: HMM

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: 03/17/22 By: JVR

Analyte	LOQ %	%	mg/g	Q
THC-A	0.10	ND	ND	
delta 9-THC	1.92	88.77	887.7	D1
delta 8-THC	0.10	ND	ND	
THC-V	0.10	0.51	5.10	
CBG-A	0.10	ND	ND	
CBD-A	0.10	ND	ND	
CBD	0.10	0.39	3.90	
CBD-V	0.10	ND	ND	
CBN	0.10	0.96	9.60	
CBG	0.10	3.98	39.8	
CBC	0.10	0.58	5.80	

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

Element	RL	ppm	Q
Arsenic	0.099	ND	M1
Cadmium	0.099	ND	
Lead	0.099	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	

88.77 % 887.70 mg/g <b>Total THC</b>	0.39 % 3.90 mg/g <b>Total CBD</b>	95.19 % 951.90 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: 03/16/22 By: EGP

Pathogens	RL	ppb	Q
Aflatoxins	1.04	ND	V1
Ochratoxins	2.08	ND	

RL = Reporting Limit  
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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	0.208	ND		Acequinocyl	1.04	ND	
Acetamiprid	0.104	ND		Aldicarb	0.208	ND	
Azoxystrobin	0.104	ND		Bifenthrin	0.104	ND	
Boscalid	0.208	ND		Carbaryl	0.104	ND	
Carbofuran	0.104	ND		Chlorpyrifos	0.104	ND	
Diazinon	0.104	ND		Dimethoate	0.104	ND	
Ethoprophos	0.104	ND		Etofenprox	0.208	ND	
Etoxazole	0.104	ND		Fenoxycarb	0.104	ND	R1
Fenpyroximate E	0.208	ND		Flonicamid	0.519	ND	
Fludioxonil	0.208	ND		Hexythiazox	0.519	ND	
Imazalil	0.104	ND		Imidacloprid	0.208	ND	
Kresoxim-methyl	0.208	ND		Malathion	0.104	ND	
Metalaxyl	0.104	ND		Methiocarb	0.104	ND	
Methomyl	0.208	ND		Myclobutanil	0.104	ND	
Naled	0.260	ND		Oxamyl	0.519	ND	
Piperonyl butoxide	1.04	ND		Propiconazole	0.208	ND	
Propoxure	0.104	ND		Spiromesifen	0.104	ND	
Spirotetramat	0.104	ND		Spiroxamine	0.208	ND	
Tebuconazole	0.208	ND		Thiacloprid	0.104	ND	
Thiamethoxam	0.104	ND		Trifloxystrobin	0.104	ND	
Abamectin	0.260	ND		Bifenazate	0.104	ND	L1
Chlorantraniliprole	0.104	ND		Clofentezine	0.104	ND	
Cyfluthrin	1.04	ND		Cypermethrin	0.519	ND	
Daminozide	0.519	ND		DDVP (Dichlorvos)	0.052	ND	
Fipronil	0.208	ND		Paclobutrazol	0.208	ND	
Permethrins	0.104	ND	V1	Phosmet	0.104	ND	
Prallethrin	0.104	ND		Pyrethrins	0.519	ND	M1
Pyridaben	0.104	ND		Spinosad	0.104	ND	
Chlorfenapyr	1.04	ND					

Herbicides (LC-MS TQ) Analyzed: 03/16/22 By: ZEN			
Analyte	RL	ppm	Q
Pendimethalin	0.052	ND	

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Concentrates

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

	RL	Result	Units	Q
<b>Pathogens</b>				
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	

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

	mg/g	%	Q
<b>Compound</b>			
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	
<b>Total Terpenes</b>	NT	NT	

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

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

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

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

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

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

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# Certificate of Analysis

00000003LCIN00627986

51 W. Weldon Ave

Phoenix, AZ

(480) 788-6644

www.desertvalleytesting.com

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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.
- 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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