



Certificate of Analysis

Sample:KN30119003-001
Harvest/Lot ID: 0% Broad Spectrum CRD
Batch#: 0% BSCRD-011723
Seed to Sale# N/A
Batch Date: 01/17/23
Sample Size Received: 10 gram
Total Batch Size: N/A
Retail Product Size: 1000 gram
Ordered : 01/17/23
Sampled : 01/17/23
Completed: 01/27/23
Sampling Method: N/A

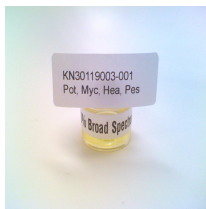
PASSED

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Jan 27, 2023 | Vapen KY, LLC

710 Kentucky Ave
Fulton, KY, 42041, US

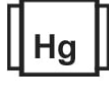
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.



Cannabinoid

PASSED



Total THC
ND



Total CBD
58.3706%



Total Cannabinoids
58.4671%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	0.0855	ND	0.011	ND	58.3706	ND	<0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND
mg/g	0.855	ND	0.11	ND	583.706	ND	<0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.003	0.001	0.001	0.001	0.001	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:
2657

Weight:
0.2069g

Extraction date:
01/19/23 12:43:05

Extracted by:
2837

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100 , THCA: ± 0.124 , TOTAL THC ± 0.112 . These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Analytical Batch : KN003363POT

Instrument Used : E-SHI-008

Running on : 01/20/23 10:52:26

Reviewed On : 01/20/23 11:12:34

Batch Date : 01/18/23 09:14:51

Dilution : N/A

Reagent : 110422.09; 100422.02; 011123.R03; 011623.R42; 100622.02; 100522.06

Consumables : 294108110; 22/04/01; 20220108; 239146; 947B9291.271; 220325059-D; IP250.100

Pipette : E-VWR-120

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

This report shall not be reproduced, unless in its entirety, without written approval from Labstat. This report is an Labstat certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Sue Ferguson

Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Signature

01/27/23

Signed On



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 710 Kentucky Ave
 Fulton, KY, 42041, US
 Telephone: 2702101087
 Email: dopuckett@outlook.com

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Ordered : 01/17/23


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Total Batch Size : N/A

Completed : 01/27/23 Expires: 01/27/24

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
CLOFENTZINE	0.01	ppm	0.5	PASS	ND	<div> <div>Analyzed by: 2803</div> <div>Weight: 0.5025g</div> <div>Extraction date: N/A</div> <div>Extracted by: 2803</div> <div>Analysis Method : SOP.T.40.101.TN</div> <div>Analytical Batch : KN003421PES</div> <div>Instrument Used : E-SHI-125</div> <div>Running on : N/A</div> <div>Dilution : 0.01</div> <div>Reagent : 010523.R11; 010523.R13; 101722.01; 010523.R12; 120122.02; 011723.R25; 011723.R26; 032221.01; 092222.R22</div> <div>Consumables : 294108110; K130252J; 22/04/01; n/a; 21267B0; 251760; 211214634-D; 239146; GD220003; 1047.033; 102101.057</div> <div>Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119</div> <div>Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.</div> </div>					
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
DAMINOZIDE	0.1	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND						



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 Sampled : 01/17/23
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 Completed : 01/27/23 Expires: 01/27/24
 Sample Method : SOP Client Method

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND

Analyzed by: 138, 3050	Weight: 0.02286g	Extraction date: 01/23/23 09:28:51	Extracted by: 138
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Analysis Method : SOP.T.40.041.TN

Analytical Batch : KN003377SOL

Instrument Used : E-SH1-106

Running on : N/A

Reviewed On : 01/27/23 16:39:57

Batch Date : 01/20/23 09:17:23

Dilution : N/A

Reagent : N/A

Consumables : R2017-167; G201.100

Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. *Based on FL action limits.



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
 Sample : KN30119003-001
 Harvest/Lot ID: 0% Broad Spectrum CRD
 Batch# : 0% BSCRD-011723
 Sampled : 01/17/23
 Ordered : 01/17/23

 Sample Size Received : 10 gram
 Total Batch Size : N/A
 Completed : 01/27/23 Expires: 01/27/24
 Sample Method : SOP Client Method

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 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
Analyzed by: 2805 Weight: 1.075g Extraction date: 01/19/23 11:52:28 Extracted by: 2805 Analysis Method : SOP.T.40.043 Analytical Batch : KN003368MIC Instrument Used : E-HEW-069 Running on : N/A Dilution : N/A Reagent : 121422.02; 101822.08; 121322.12; 072722.05 Consumables : 22/04/01; 251773; 242429; P7528255; 250346; 253850; 93825; n/a; 247040; 10RWJ0415W03 Pipette : E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054; E-BIO-188	Reviewed On : 01/20/23 11:49:32 Batch Date : 01/19/23 10:07:52					Analyzed by: 2803 Weight: 0.5025g Extraction date: N/A Extracted by: N/A Analysis Method : SOP.T.40.101.TN Analytical Batch : KN003429MYC Instrument Used : E-SHI-125 Running on : N/A Dilution : N/A Reagent : 102622.R04; 010523.R11; 010523.R13; 101722.01; 010523.R12; 120122.02; 011723.R25; 011723.R26; 032221.01; 092222.R22 Consumables : 294108110; K130252J; 22/04/01; n/a; 01422036; 264041; 211214634-D; GD220003; 1047.033; 102101.057 Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119	Reviewed On : 01/27/23 10:51:53 Batch Date : 01/26/23 14:09:12				

Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.

 Heavy Metals PASSED					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	0.2
CADMIUM-CD	0.02	ppm	ND	PASS	0.2
MERCURY-HG	0.02	ppm	ND	PASS	0.2
LEAD-PB	0.02	ppm	ND	PASS	0.5
Analyzed by: 2837, 138 Weight: 0.257g Extraction date: 01/20/23 14:24:47 Extracted by: 2837 Analysis Method : SOP.T.30.082, SOP.T.40.082.TN Analytical Batch : KN003375HEA Instrument Used : E-AGI-084 Running on : N/A Dilution : 50 Reagent : 110422.09; 100422.02; 011623.R36; 122822.R06; 032522.01; 111122.09; 111022.R03; 120122.R05; 010323.R06 Consumables : 257747; 829C6-829B; 108779-06-102921; 12532-225CD-225C; A30697912 Pipette : E-EPP-081; E-EPP-082	Reviewed On : 01/23/23 17:05:18 Batch Date : 01/20/23 08:19:36				

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. *Based on FL action limits.



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Page 5 of 5


**Filtration/Foreign
Material**
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filtration and Foreign Material	1	detect/g	ND	PASS	3

Analyzed by: 2805	Weight: 0.5127g	Extraction date: 01/19/23 11:53:01	Extracted by: 2805
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 Analysis Method : SOP.T.40.090
 Analytical Batch : KN003337FIL
 Instrument Used : E-AMS-138
 Running on : N/A

 Reviewed On : 01/19/23 11:53:13
 Batch Date : 01/12/23 09:21:50

 Dilution : N/A
 Reagent : N/A
 Consumables : N/A
 Pipette : N/A

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.