

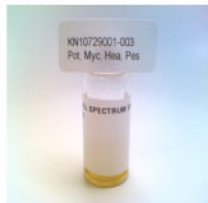
Certificate of Analysis

Aug 02, 2021 | Vapen KY, LLC


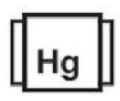

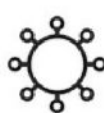





Sample:KN10729001-003
Harvest/Lot ID: B005-020
Seed to Sale# N/A
Batch Date: 07/27/21
Batch#: B006
Sample Size Received: 8 gram
Total Weight/Volume: N/A
Retail Product Size: 1000 gram
Ordered : 07/27/21
sampled : 07/27/21
Completed: 08/02/21 Expires:
08/02/22 Sampling Method: SOP
Client Method

PASSED
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PRODUCT IMAGE




SAFETY RESULTS

 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residual Solvents PASSED	 Filtration PASSED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED
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CANNABINOID RESULTS





Filtration

PASSED

Analyzed By	Weight	Extraction date	Extracted By
142	0.6869g	NA	NA

Analyte LOD Result
Filtration and Foreign Material: 0.3ND

Analysis Method -SOP.T.40.013 **Batch Date** : 07/30/21 14:25:02
Analytical Batch -KN001166FIL **Reviewed On** - 07/30/21 15:05:23
Instrument Used : E-AMS-138 Microscope
Running On :

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

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0.3420	ND	0.0230	5.2000	55.1280	<0.010	0.0140	0.2350	ND	0.2490	<0.010
mg/g	3.4200	ND	0.2300	52.0000	551.2800	<0.010	0.1400	2.3500	ND	2.4900	<0.010
LOD	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 113	Weight 0.2054g	Extraction date : 07/29/21 12:07:38	Extracted By : 946
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Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCA: 9.5%, TOTAL THC 11.1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.10:27:03

Analytical Batch -KN001153POT **Instrument Used** : HPLC E-SHI-008 **Running On** :

Reagent	Dilution	Consums. ID
120320.R02 072621.R01 071421.R01	40	94789291.217 0030220

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis.) *Based on FL action limits.

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


Signature


08/02/21
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Certificate of Analysis

PASSED

Sample :KN10729001-003
Harvest/LOT ID:B005-020
Batch# :B006 Sample Size Received : 8 gram
Sampled : 07/27/21 Total Weight/Volume : N/A
Ordered : 07/27/21 Completed : Expires 08/02/21 08/02/22
Sample Method : SOP Client Method

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Pesticides

PASSED

Action Level Result

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	pp	0.3	ND	PIPERONYL BUTOXIDE	0.01	pp	3	ND
ACEPHATE	0.01	m	3	ND	PRALLETHRIN	0.01	m	0.4	ND
ACEQUINOCYL	0.01	pp	2	0.132	PROPICONAZOLE	0.01	pp	1	ND
ACETAMIPRID	0.01	m	3	ND	PROPOXUR	0.01	m	0.1	ND
ALDICARB	0.01	pp	0.1	ND	PYRETHRINS	0.01	pp	1	ND
AZOKYSTROBIN	0.01	m	3	ND	PYRIDABEN	0.01	m	3	ND
BIFENAZATE	0.01	pp	3	ND	SPINETORAM	0.01	pp	3	ND
BIFENTHRIN	0.01	m	0.5	ND	SPIROMESIFEN	0.01	m	3	ND
BOSCALID	0.01	pp	3	ND	SPIROTETRAMAT	0.01	pp	3	ND
CARBARYL	0.01	m	0.5	ND	SPIROXAMINE	0.01	m	0.1	ND
CARBOFURAN	0.01	pp	0.1	ND	TEBUCONAZOLE	0.01	pp	1	ND
CHLORANTRANILIPROLE	0.01	m	3	ND	THIACLOPRID	0.01	m	0.1	ND
CHLORMEQUAT CHLORIDE	0.01	pp	3	ND	THIAMETHOXAM	0.01	pp	1	ND
CHLORPYRIFOS	0.01	m	0.1	ND	TOTAL SPINOSAD	0.01	m	3	ND
CLOFENTEZINE	0.01	pp	0.5	ND	TRIFLOXYSTROBIN	0.01	pp	3	0.095
COUMAPHOS	0.01	m	0.1	ND					
CYPERMETHRIN	0.01	pp	1	ND					
DAMINOZIDE	0.01	m	0.1	ND					
DIAZANON	0.01	pp	0.2	ND					
DICHLORVOS	0.01	m	0.1	ND					
DIMETHOATE	0.01	pp	0.1	ND					
DIMETHOMORPH	0.01	m	3	ND					
ETHOPROPHOS	0.01	pp	0.1	ND					
ETOFENPROX	0.01	m	0.1	ND					
ETOXAZOLE	0.01	pp	1.5	ND					
FENHEXAMID	0.01	m	3	ND					
FENOXYCARB	0.01	pp	0.1	ND					
FENPYROXIMATE	0.01	m	2	ND					
FIPRONIL	0.01	pp	0.1	ND					
FLONICAMID	0.01	m	2	ND					
FLUDIOXONIL	0.01	pp	3	ND					
HEXYTHIAZOX	0.01	m	2	ND					
IMAZALIL	0.01	pp	0.1	ND					
IMIDACLOPRID	0.01	m	3	ND					
KRESOXIM-METHYL	0.01	pp	1	ND					
MALATHION	0.01	m	2	ND					
METALAXYL	0.01	pp	3	ND					
METHIOCARB	0.01	m	0.1	ND					
METHOMYL	0.01	pp	0.1	ND					
MEVINPHOS	0.01	m	0.1	ND					
MYCLOBUTANIL	0.01	pp	3	ND					
NALED	0.01	m	0.5	ND					
OXAMYL	0.01	pp	0.5	ND					
PACLOBUTRAZOL	0.01	m	0.1	ND					
PERMETHRINS	0.01	pp	1	ND					
PHOSMET	0.01	m	0.2	ND					



Pesticides

PASSED

Analyzed by	Weight	Extraction date	Extracted By
143	143g	07/29/21 12:07:40	143
Analysis Method - SOP.T.30.060, SOP.T.40.060 ,			
Analytical Batch - KN001145PES			
Instrument Used : E-SHI-125 Pesticides			
Running On : 07/29/21 12:06:56			
Reviewed On- 07/30/21 15:05:23			
Batch Date : 07/27/21 13:31:47			

Reagent	Dilution	Consums. ID
112428.05	m	200618634
060231.002	10 m	94789291.217
061021.004	m	
072321.003	pp	
072321.004	m	

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 147 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.060 Procedure for Pesticide Quantification Using LCMS). Analytes ISO pending. *Based on FL action limits. *

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

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Signature

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Certificate of Analysis

PASSED

Sample : KN10729001-003
Harvest/LOT ID: B005-020
Batch# : B006 **Sample Size Received :** 8 gram
Sampled : 07/27/21 **Total Weight/Volume :** N/A
Ordered : 07/27/21 **Completed :** Expires 08/02/21 08/02/22
Sample Method : SOP Client Method

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Microbials

PASSED

Mycotoxins

PASSED

Analyte	LOD	Result
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.
ASPERGILLUS_FLAVUS		not present in 1 gram.
ASPERGILLUS_FUMIGATUS		not present in 1 gram.
ASPERGILLUS_NIGER		not present in 1 gram.
ASPERGILLUS_TERREUS		not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -KN001160MIC **Batch Date** : 07/30/21
Instrument Used : Micro E-HEW-069
Running On : 07/30/21

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G20.002ppm	ND0.02		AFLATOXIN G10.002ppm	ND0.02
AFLATOXIN B20.002ppm	ND0.02		AFLATOXIN B10.002ppm	ND0.02
OCHRATOXIN A+0.002ppm	ND0.02		TOTAL MYCOTOXINS0.002ppm	ND

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -KN001154MYC | **Reviewed On** - 07/30/21 13:26:07
Instrument Used : E-SHI-125 Mycotoxins
Running On : 07/29/21 13:15:49
Batch Date : 07/29/21 09:00:45

Analyzed by	Weight	Extraction date	Extracted By
142	1.0302g	NA	NA

Reagent	Consums. ID
061821.01 003102	
020821.04	
030421.01	

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Analyzed by	Weight	Extraction date	Extracted By
1431.0205g	07/29/21 01:07:23	143	

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. *Based on FL action limits.

Heavy Metals

PASSED

Reagent	Dilution	Consums. ID
060221.R29	50	7226/003002
052021.R19		1 210117060
040521.R03		
040521.R04		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC-AS	0.02	pp	ND	1.5
CADMIUM-CD	0.02	m	ND	0.5
MERCURY-HG	0.02	pp	ND	3
LEAD-PB	0.02	m	<LOQ	0.5

Analyzed by	Weight	Extraction date	Extracted By
120.2607g	07/30/21 06:07:15	120	

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -KN001151HEA | **Reviewed On** - 08/02/21 14:45:09
Instrument Used : Metals ICP/MS
Running On :
Batch Date : 07/28/21 15:36:56

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS. Analytes ISO Pending. *Based on FL action limits.

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