



Certificate of Analysis

Sample:KN31221004-001

Harvest/Lot ID: 090323A

Batch#: 090323A

Batch Date: 12/18/23

Sample Size Received: 54 gram

Retail Product Size: 4 gram

Ordered : 12/18/23

Sampled : 12/18/23

Completed: 12/22/23

PASSED

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Dec 22, 2023 | Haygood Farms

164 West 31ST Suite 106
Chattanooga, TN, 37410, US

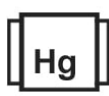
PRODUCT IMAGE



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.



Potency

PASSED



Total THC
0.0299%



Total CBG
0.9322%



Total Cannabinoids
1.6319%

	CBDVA	CBDV	CBDA	CBGA	CBG	CBD	D9-THCV	D8-THCV	CBN	D9-THC	D8-THC	D10-THC	CBC	THCA
%	ND	<0.01	ND	ND	0.9322	0.6225	ND	ND	<0.01	0.0299	<0.01	ND	0.0473	ND
mg/g	ND	<0.1	ND	ND	9.322	6.225	ND	ND	<0.1	0.299	<0.1	ND	0.473	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:
2657

Weight:
0.2152g

Extraction date:
12/21/23 11:12:14

Extracted by:
2657

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 : KN004400POT

Instrument Used : E-SHI-008

Running on : N/A

Reviewed On : 12/22/23 11:16:43

Batch Date : 12/20/23 12:29:26

Dilution : N/A

Reagent : 112823.R01; 120823.R01; 122023.R01; 110223.04

Consumables : 302110210; K130252J; 22/04/01; B9291.100; 230105059D; 1008702218; EE154-US; 947.100; GD220011; 0000257576; 1350331; 6121219; 600185; P250.100

Pipette : E-EPP-081; E-VWR-120; E-VWR-121; E-VWR-122

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

Sue Ferguson

Lab Director

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

Signature

12/22/23

Signed On



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Chattanooga, TN, 37410, US
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Email: jimmy@haygoodfarms.com

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	<0.05
ACEPHATE	0.008	ppm	3	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	<0.05
ACETAMIPRID	0.009	ppm	3	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.012	ppm	1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	ND	Analized by:	Weight:	Extraction date:	Extracted by:		
CYPERMETHRIN	0.01	ppm	1	PASS	ND	3050	1.0043g	12/22/23 11:44:25	3050		
DAMINOZIDE	0.006	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
DIAZANON	0.006	ppm	0.2	PASS	ND	Analytical Batch : KN004403PES					
DICHLORVOS	0.014	ppm	0.1	PASS	ND	Instrument Used : E-SHI-125					
DIMETHOATE	0.009	ppm	0.1	PASS	ND	Running on : N/A					
DIMETHOMORPH	0.009	ppm	3	PASS	ND	Dilution : N/A					
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND	Reagent : 121323.R03; 110623.R02; 112023.R02					
ETOFENPROX	0.009	ppm	0.1	PASS	ND	Consumables : 302110210; 22/04/01; 220725; B9291.100; 201123-058; 947B9291.271					
ETOXAZOLE	0.007	ppm	1.5	PASS	ND	Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
FENHEXAMID	0.005	ppm	3	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.					
FENOXYCARB	0.007	ppm	0.1	PASS	ND	*Based on FL action limits.					
FENPYROXIMATE	0.006	ppm	2	PASS	ND						
FIPRONIL	0.008	ppm	0.1	PASS	ND						
FLONICAMID	0.014	ppm	2	PASS	ND						
FLUDIOXONIL	0.011	ppm	3	PASS	<0.05						
HEXYTHIAZOX	0.009	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.005	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.009	ppm	2	PASS	ND						
METALAXYL	0.008	ppm	3	PASS	ND						
METHIOCARB	0.008	ppm	0.1	PASS	ND						
METHOMYL	0.009	ppm	0.1	PASS	ND						
MEVINPHOS	0.001	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.006	ppm	3	PASS	ND						
NALED	0.023	ppm	0.5	PASS	ND						
OXAMYL	0.009	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.007	ppm	0.1	PASS	ND						
PERMETHRINS	0.008	ppm	1	PASS	ND						
PHOSMET	0.009	ppm	0.2	PASS	ND						



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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	100	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	100	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
ETHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	3002.2174
ETHYL ETHER	10	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	40	ppm	750	PASS	ND
2-PROPANOL	25	ppm	500	PASS	ND
ACETONITRILE	20	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	10	ppm	250	PASS	ND
ETHYL ACETATE	11	ppm	400	PASS	ND
CHLOROFORM	0.04	ppm	2	PASS	ND
BENZENE	0.03	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.05	ppm	2	PASS	ND
HEPTANE	53	ppm	5000	PASS	ND
TRICHLOROETHYLENE	0.5	ppm	25	PASS	ND
TOLUENE	5	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	150	PASS	ND

Analyzed by: 3050	Weight: 0.0222g	Extraction date: 12/22/23 10:58:14	Extracted by: 3050
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Analysis Method : SOP.T.40.041.TN

Analytical Batch : KN004402SOL

Instrument Used : E-SHI-106

Running on : N/A

Reviewed On : 12/22/23 15:32:45

Batch Date : 12/21/23 09:43:40

Dilution : N/A

Reagent : 100422.02; 081320.01

Consumables : R2017.167; G201.167

Pipette : N/A

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



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Harvest/Lot ID: 090323A

Batch# : 090323A



Sampled : 12/18/23


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<div></div> <div>Microbial</div> <div>PASSED</div>						<div></div> <div>Mycotoxins</div> <div>PASSED</div>					
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	0.0016	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.0012	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
Analized by: 2837	Weight: 1.0437g	Extraction date: 12/21/23 15:16:00	Extracted by: 2837			Analized by: 3050	Weight: 1.0043g	Extraction date: 12/22/23 11:09:42	Extracted by: N/A		
Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU						Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
Analytical Batch : KN004399MIC			Reviewed On : 12/21/23 15:45:45			Analytical Batch : KN004404MYC			Reviewed On : 12/22/23 11:05:00		
Instrument Used : E-HEW-069			Batch Date : 12/20/23 09:05:07			Instrument Used : E-SHI-125			Batch Date : 12/21/23 09:45:50		
Running on : N/A						Running on : N/A					
Dilution : N/A						Dilution : N/A					
Reagent : 112823.01; 111523.02; 122222.01						Reagent : 121323.R03; 110623.R02; 112023.R02					
Consumables : GD220003; 1350331; 22/04/01; 10RWL0315W13; 251773; 242429; P7528255; 41218-146C4-146C; 263989; 93825; n/a; 247040; 0150210						Consumables : 302110210; 22/04/01; 220725; B9291.100; 201123-058; 947B9291.271					
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						Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.						Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.					

<div></div> <div>Heavy Metals</div> <div>PASSED</div>					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5
Analized by: 2837, 3050	Weight: 0.2731g	Extraction date: 12/22/23 11:28:11	Extracted by: 2837		
Analysis Method : SOP.T.30.082, SOP.T.40.082.TN					
Analytical Batch : KN004401HEA			Reviewed On : 12/22/23 15:32:23		
Instrument Used : E-AGI-084			Batch Date : 12/21/23 08:11:40		
Running on : N/A					
Dilution : N/A					
Reagent : 083023.01; 100422.02; 112923.R05; 110823.R02; 101722.05; 110323.06; 081723.R04; 090723.R14; 071323.R26; 101323.R01; 111023.R01; 120523.R11; 120523.R12; 031623.R02; 090723.R15; 101923.01					
Consumables : GD220003; 1350331; 6121219; 600185; 829C6-829B; 221200; A260422A					
Pipette : E-EPP-081; E-EPP-082					
Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits.					



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**Filth/Foreign
Material**
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5

Analyzed by: 2837	Weight: 0.5288g	Extraction date: 12/21/23 15:24:36	Extracted by: 2837
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Analysis Method : SOP.T.40.090

Analytical Batch : KN004398FIL

Instrument Used : E-AMS-138

Running on : N/A

Reviewed On : 12/21/23 15:24:53

Batch Date : 12/20/23 09:03:48

Dilution : N/A

Reagent : N/A

Consumables : 6850215; GD220011; 1350331

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.

Signature