



Certificate of Analysis

Sample: KN30425001-020

Batch#: 23C003

Batch Date: 03/08/23

Sample Size Received: 45 gram

Retail Product Size: 4.5 gram

Ordered : 04/20/23

Sampled : 04/20/23

Completed: 04/28/23

PASSED

Page 1 of 5

Apr 28, 2023 | Asterra Labs

800 Cooke Rd.
Nashville, NC, 27856, US



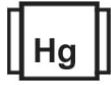
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
PASSED



Terpenes
NOT TESTED

MISC.



Potency

PASSED



Total THC
<0.01

Total THC/Gummy : 0 mg



D8-THC
0.5599%

D8-THC/Gummy : 25.195 mg



Total Cannabinoids
0.5599%

Total Cannabinoids/Gummy : 25.195 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	ND	ND	ND	ND	ND	ND	<0.01	ND	<0.01	0.5599	ND	ND	ND	ND	ND	ND
mg/g	ND	ND	ND	ND	ND	ND	<0.1	ND	<0.1	5.599	ND	ND	ND	ND	ND	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	0.001	0.002
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:
2990, 2657

Weight:
0.2036g

Extraction date:
04/25/23 15:14:12

Extracted by:
2990

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 : KN003706POT

Reviewed On : 04/26/23 11:15:33

Instrument Used : E-SHI-008

Batch Date : 04/25/23 08:30:32

Running on : N/A

Dilution : N/A

Reagent : 122922.11; 100422.02; 012523.R02; 040423.R02; 042423.R01; 102722.25; 020323.06; 102722.26

Consumables : SFN-BR-1025; 22/04/01; 220725; 260148; 947B9291.271; GD220003; 600054; 220303059-D; IP250.100; 239146

Pipette : E-VWR-120; E-VWR-121

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

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Sue Ferguson

Lab Director

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

Signature

04/28/23

Signed On



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PASSED

Asterra Labs

 800 Cooke Rd.
 Nashville, NC, 27856, US
 Telephone: (252) 702-1537
 Email: ron.rogers@asterrallabs.com

Sample : KN30425001-020

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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	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEPHATE	0.008	ppm	3	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.012	ppm	1	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND						
COUMAPHOS	0.009	ppm	0.1	PASS	ND	Analized by:	Weight:	Extraction date:		Extracted by:	
DAMINOZIDE	0.006	ppm	0.1	PASS	ND	2803, 3050	1.0390g	04/27/23 10:11:14		2803	
DIAZANON	0.006	ppm	0.2	PASS	ND	Analysis Method :SOP.T.40.101.TN					
DICHLORVOS	0.014	ppm	0.1	PASS	ND	Analytical Batch :KN003712PES			Reviewed On :04/27/23 15:28:31		
DIMETHOATE	0.009	ppm	0.1	PASS	ND	Instrument Used :E-SHI-125			Batch Date :04/27/23 10:09:40		
DIMETHOMORPH	0.009	ppm	3	PASS	ND	Running on :N/A					
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND	Dilution : 0.01					
ETOFENPROX	0.009	ppm	0.1	PASS	ND	Reagent : 010523.R11; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01					
ETOXAZOLE	0.007	ppm	1.5	PASS	ND	Consumables : 301011028; K130252; n/a; 220725; 21267B0; 264041; 201123-058; 211214634-D; 239146;					
FENHEXAMID	0.005	ppm	3	PASS	ND	94789291.271; GD210005; 1300.062					
FENOXICARB	0.007	ppm	0.1	PASS	ND	Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
FENPYROXIMATE	0.006	ppm	2	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.					
FIPRONIL	0.008	ppm	0.1	PASS	ND	*Based on FL action limits.					
FLONICAMID	0.014	ppm	2	PASS	ND						
FLUDIOXONIL	0.011	ppm	3	PASS	ND						
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						
PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	ND						

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Sue Ferguson

Lab Director

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

Signature

04/28/23

Signed On



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PASSED

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	54	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	51	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
METHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	4761.797
ETHYL ETHER	10	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	15	ppm	750	PASS	ND
2-PROPANOL	20	ppm	500	PASS	ND
ACETONITRILE	1.3	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	6	ppm	250	PASS	ND
ETHYL ACETATE	8.3	ppm	400	PASS	<40
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: 138, 3050	Weight: 0.02715g	Extraction date: 04/26/23 10:12:26	Extracted by: 138
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Analysis Method : SOP.T.40.041.TN Analytical Batch : KN003707SOL Instrument Used : E-SHI-106 Running on : N/A	Reviewed On : 04/27/23 15:32:56 Batch Date : 04/25/23 08:56:59
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 Dilution : N/A
 Reagent : N/A
 Consumables : N/A
 Pipette : N/A

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

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Sue Ferguson
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 State License # n/a
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 Signature

 04/28/23
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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
ASPERGILLUS TERREUS			Not Present	PASS	

Analyzed by: 2805 Weight: 1.0509g Extraction date: 04/25/23 11:36:50 Extracted by: 2805
 Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 cfu
 Analytical Batch : KN003708MIC Reviewed On : 04/28/23 09:00:32
 Instrument Used : E-HEW-069 Batch Date : 04/25/23 09:10:36
 Running on : N/A

Dilution : N/A
 Reagent : 020323.03; 101822.09; 101822.07; 010923.04; 092222.01; 072722.06
 Consumables : 22/04/01; 251773; 242429; 2DAX30621; P7528255; 41218-146C4-146C; 263989; 93825; 010205; 007109; 013209; n/a; 247040; 0150210
 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

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. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN G2	0.0016	ppm	ND	PASS	0.02
AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
AFLATOXIN B1	0.0012	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02

Analyzed by: 2803 Weight: 1.0390g Extraction date: 04/27/23 10:11:14 Extracted by: 2803

Analysis Method : SOP.T.40.101.TN
 Analytical Batch : KN003713MYC Reviewed On : 04/27/23 15:23:19
 Instrument Used : E-SHI-125 Batch Date : 04/27/23 10:17:49
 Running on : N/A

Dilution : 0.01
 Reagent : 010523.R11; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01
 Consumables : 301011028; K130252; n/a; 220725; 21267B0; 264041; 201123-058; 211214634-D; 239146; 947B9291.271; GD210005; 1300.062
 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.

	Heavy Metals	PASSED
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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

Analyzed by: 2837, 138 Weight: 0.2526g Extraction date: 04/25/23 16:36:36 Extracted by: 2837

Analysis Method : SOP.T.30.082, SOP.T.40.082.TN
 Analytical Batch : KN003710HEA Reviewed On : 04/26/23 15:25:06
 Instrument Used : E-AGI-084 Batch Date : 04/25/23 14:33:50
 Running on : N/A

Dilution : N/A
 Reagent : 122922.11; 100422.02; 032723.R01; 031423.R13; 101722.05; 022023.01; 030923.R07; 031623.R01; 031423.R01; 022823.R12; 040523.R01; 040523.R02; 040523.R03; 031623.R02; 041923.R03; 041923.R13
 Consumables : 257747; 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**



Moisture **PASSED**

Analyte					Analyte				
Filth and Foreign Material					Moisture Content				
LOD	Units	Result	P/F	Action Level	LOD	Units	Result	P/F	Action Level
1	detect/g	ND	PASS	3	1	%	10.58	TESTED	
Analyzed by: 2805 Weight: 0.5398g Extraction date: 04/25/23 11:37:46 Extracted by: 2805					Analyzed by: 2837, 2990 Weight: 0.52g Extraction date: 04/25/23 13:26:34 Extracted by: 2837				
Analysis Method : SOP.T.40.090 Analytical Batch : KN003703FIL Instrument Used : E-AMS-138 Running on : N/A					Analysis Method : SOP.T.40.021 Analytical Batch : KN003705MOI Instrument Used : E-SHI-039 Running on : N/A				
Dilution : N/A Reagent : N/A Consumables : N/A Pipette : N/A					Dilution : N/A Reagent : 122922.11; 100422.01 Consumables : MOC63U; 239146 Pipette : E-VWR-120				
Reviewed On : 04/25/23 12:03:45 Batch Date : 04/24/23 10:22:13					Reviewed On : 04/25/23 14:47:07 Batch Date : 04/25/23 08:18:53				

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.

Moisture Content analysis utilizing loss-on-drying technology in accordance with F.S. Rule 64ER20.39.

Sue Ferguson

Lab Director

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

Signature

04/28/23

Signed On