



Certificate of Analysis

Sample:KN30113003-032
Harvest/Lot ID: N/A
Batch#: 22M002
Seed to Sale# N/A
Batch Date: 12/05/22
Sample Size Received: 14.4 gram
Total Batch Size: N/A
Retail Product Size: 4.4 gram
Ordered : 01/10/23
Sampled : 01/10/23
Completed: 01/23/23
Sampling Method: N/A

Jan 23, 2023 | Asterra Labs
800 Cooke Rd.
Nashville, NC, 27856, US



PASSED
Page 1 of 5

PRODUCT IMAGE	SAFETY RESULTS								MISC.
	PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	PASSED	NOT TESTED

Cannabinoid **PASSED**



	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	ND	ND	0.1708	0.0124	ND	ND	ND	ND	ND	ND
mg/g	ND	ND	ND	ND	ND	ND	ND	ND	1.708	0.124	ND	ND	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2368, 2657 Weight: 0.2029g Extraction date: 01/13/23 17:02:06 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 : KN003348POT Reviewed On : 01/17/23 17:22:02
 Instrument Used : HPLC E-SHI-008 Batch Date : 01/13/23 12:36:35
 Running on : N/A
 Dilution : N/A
 Reagent : 110422.09; 100422.02; 011123.R03; 011123.R02; 100622.01
 Consumables : 294108110; 22/04/01; n/a; 241572; 239146; 947b9291.100; 518825; 220325059-D; IP250.100
 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

01/23/23

Signed On



Certificate of Analysis

PASSED

Asterra Labs

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

Sample : KN30113003-032
Harvest/Lot ID: N/A
Batch# : 22M002
Sampled : 01/10/23
Ordered : 01/10/23

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Total Batch Size : N/A
Completed : 01/23/23 Expires: 01/23/24
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		
ACEQUINOXYL	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		
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	Analized by:	2368, 2803	Weight:	0.5013g	Extraction date:	01/20/23 17:43:16	Extracted by:	2803
COUMAPHOS	0.01	ppm	0.1	PASS	ND	Analysis Method :	SOP.T.40.101.TN	Analytical Batch :	KN003381PES	Reviewed On :	01/23/23 14:08:13	Batch Date :	01/20/23 17:35:18
DAMINOZIDE	0.1	ppm	0.1	PASS	ND	Instrument Used :	E-SHI-125 Pesticides	Running on :	N/A	Dilution :	0.01	Reagent :	102622.R04; 101722.01; 010323.R21; 010323.R22; 032221.01
DIAZANON	0.01	ppm	0.2	PASS	ND	Consumables :	294108110; K130252; 22/04/01; 270314; 01422036; 251760; 264305; 211214634-D; 239146; GD220003; 518825; 1047.033; 102101.057; 257747	Pipette :	E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119	Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.			
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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Sue Ferguson

Lab Director

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

Signature

01/23/23

Signed On



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 Email: ron.rogers@asterrallabs.com

Sample : KN30113003-032

Harvest/Lot ID: N/A

Batch# : 22M002

Sampled : 01/10/23

Ordered : 01/10/23

Sample Size Received : 14.4 gram

Total Batch Size : N/A

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

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: N/A	Weight: 0.0269g	Extraction date: 01/16/2023	Extracted by: N/A
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Analysis Method : SOP.T.40.041.TN Analytical Batch : KN003353SOL Instrument Used : E-SHI-106 Residual Solvents Running on : N/A	Reviewed On : 01/19/23 15:04:50 Batch Date : 01/16/23 09:15:04
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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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PASSED



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
 800 Cooke Rd.
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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							
Analyzed by: 2368, 2805 Weight: 1.0099g Extraction date: 01/17/23 11:22:54 Extracted by: 2805 Analysis Method : SOP.T.40.043 Analytical Batch : KN003357MIC Instrument Used : Micro E-HEW-069 Running on : N/A Dilution : N/A Reagent : 121422.02; 101822.08; 121322.12; 072722.02 Consumables : 22/04/01; 251773; 242429; 0980420; 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 : 01/18/23 13:29:47 Batch Date : 01/17/23 09:12:08			Analyzed by: 2368, 2803 Weight: 0.5013g Extraction date: 01/20/23 17:43:16 Extracted by: 2803 Analysis Method : SOP.T.40.101.TN Analytical Batch : KN003382MYC Instrument Used : N/A Running on : N/A Dilution : 0.01 Reagent : 102622.R04; 101722.01; 010323.R21; 010323.R22; 032221.01 Consumables : 294108110; K130252J; 22/04/01; 270314; 01422036; 251760; 264305; 211214634-D; 239146; GD220003; 518825; 1047.033; 102101.057; 257747 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.			Reviewed On : 01/23/23 14:25:11 Batch Date : 01/20/23 17:46:10		

 Heavy Metals PASSED					
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: 2368, 2837, 138 Weight: 0.2542g Extraction date: 01/17/23 11:58:29 Extracted by: 2837 Analysis Method : SOP.T.30.082, SOP.T.40.082.TN Analytical Batch : KN003356HEA Instrument Used : Metals ICP/MS Running on : N/A Dilution : 50 Reagent : 110422.09; 100422.02; 010323.R23; 011623.R36; 122822.R06; 032522.01; 111122.09; 111022.R03; 010323.R06 Consumables : 257747; 829C6-829B; 108779-06-102921; 12532-225CD-225C; A30697912 Pipette : E-EPP-081; E-EPP-082			Reviewed On : 01/17/23 16:26:55 Batch Date : 01/16/23 15:32:27		

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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Sample Method : SOP Client Method

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Filth/Foreign Material PASSED



Moisture PASSED

Analyte	LOD	Units	Result	P/F	Action Level	Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	detect/g	ND	PASS	3	Moisture Content	1	%	6.25	TESTED	
Analyzed by: 2368, 2805	Weight: 0.5096g	Extraction date: 01/17/23 11:27:43	Extracted by: 2805			Analyzed by: 2368, 2837, 3050	Weight: 0.511g	Extraction date: 01/18/23 13:36:47	Extracted by: 2837		
Analysis Method : SOP.T.40.090						Analysis Method : SOP.T.40.021					
Analytical Batch : KN003337FIL						Analytical Batch : KN003360MOI					
Instrument Used : E-AMS-138 Microscope						Instrument Used : E-SHI-039 Moisture Detector					
Running on : N/A						Running on : N/A					
Dilution : N/A						Dilution : N/A					
Reagent : N/A						Reagent : 110422.09; 021320.01					
Consumables : N/A						Consumables : MOC63U					
Pipette : N/A						Pipette : E-VWR-120					

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.

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