



Certificate of Analysis

Sample:KN30403009-001
Harvest/Lot ID: -
Batch#: -
Seed to Sale# N/A
Batch Date: 04/10/23
Sample Size Received: 1 ml
Total Batch Size: N/A
Retail Product Size: 1 ml
Ordered : 04/12/23
Sampled : 04/12/23
Completed: 04/17/23
Sampling Method: N/A

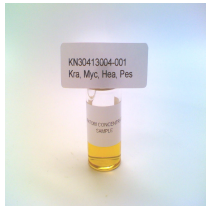
PASSED

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Apr 17, 2023 | Example COA Group

123 S. Federal Highway
Hallandale Beach, FL, 33009, US

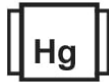
PRODUCT IMAGE



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.



Kratom

PASSED

Analyte	LOD (%)	Result (%)	LOD (mg/g)	Result (mg/mL)	Pass/Fail	Action Level
7-HYDROXYMITRAGYNE	0.001	ND	0.01	ND	PASS	2
CORYNOXINE	0.001	ND	0.01	ND	TESTED	
ISORHYNCHOPHYLLINE	0.001	ND	0.01	ND	TESTED	
MITRAGYNE	0.001	1.006	0.01	11.0	TESTED	
PAYNANTHEINE	0.001	0.067	0.01	0.73	TESTED	
SPECIOCIATINE	0.001	0.026	0.01	0.28	TESTED	
SPECIOGYNEINE	0.001	0.068	0.01	0.74	TESTED	
TOTAL ALKALOIDS	0.001	1.17	0.01	12.7	TESTED	

Analyzed by: 3050 Weight: 0.1032 Extraction date: 04-14-2023 Extracted by: N/A

Analysis Method : SOP.T.30.0311.TN, SOP.40.311.TN

Analytical Batch : KN003692KRA

Instrument Used : E-SHI-125

Running on : N/A

Reviewed On : 04/17/23 15:51:26

Batch Date : 04/17/23 14:39:27

Dilution : multiple
Reagent : 010523.R11; 010523.R13; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01
Consumables : SFN-BR-1025; 22/04/01; 20220108; 01422036; 251760; 201123-058; 211214634-D; 239146; 94789291.271; 1350331
Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119

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Sue Ferguson

Lab Director

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

Signature

04/17/23

Signed On



Certificate of Analysis

PASSED

Example COA Group

 500 S. Federal Highway
 Hallandale Beach, FL, 33009, US
 Telephone: 1234567899
 Email: sampleemail@gmail.com

 Sample : KN30403009-001
 Harvest/Lot ID: -

 Batch# : -
 Sampled : 04/12/23
 Ordered : 04/12/23

 Sample Size Received : 1 ml
 Total Batch Size : N/A
 Completed : 04/17/23 Expires: 04/17/24
 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	0.012	ppm	0.1	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEPHATE	0.008	ppm	0.1	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACEQUINOCYL	0.038	ppm	0.1	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ACETAMIPRID	0.009	ppm	0.1	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	0.1	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	0.1	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.009	ppm	0.1	PASS	ND
BOSCALID	0.007	ppm	0.1	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	TEBUCONAZOLE	0.009	ppm	0.1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.012	ppm	3	PASS	ND	THIAMETHOXAM	0.009	ppm	0.5	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	1	PASS	ND	TOTAL SPINOSAD	0.009	ppm	0.1	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	0.1	PASS	ND
CLOFENTEZINE	0.006	ppm	0.2	PASS	ND						
COUMAPHOS	0.009	ppm	0.1	PASS	ND						
DAMINOZIDE	0.006	ppm	0.1	PASS	ND						
DIAZANON	0.006	ppm	0.1	PASS	ND						
DICHLORVOS	0.014	ppm	0.1	PASS	ND						
DIMETHOATE	0.009	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.009	ppm	3	PASS	ND						
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND						
ETOFENPROX	0.009	ppm	0.1	PASS	ND						
ETOXAZOLE	0.007	ppm	1.5	PASS	ND						
FENHEXAMID	0.005	ppm	3	PASS	ND						
FENOXYCARB	0.007	ppm	0.1	PASS	ND						
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	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						
METHIACARB	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						

Analyzed by: 2803	Weight: 1.0017g	Extraction date: 04/14/23 09:59:24	Extracted by: 2803
Analysis Method : SOP.T.40.101.TN		Reviewed On : 04/14/23 11:34:17	
Analytical Batch : KN003688PES		Batch Date : 04/14/23 08:05:00	
Instrument Used : E-SHI-125			
Running on : N/A			
Dilution : 0.01			
Reagent : 010523.R11; 010523.R13; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01			
Consumables : SFN-BR-1025; 22/04/01; 20220108; 01422036; 251760; 201123-058; 211214634-D; 239146; 94789291.271; 1350331			
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.

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Sue Ferguson

Lab Director

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

Signature

04/17/23

Signed On



Certificate of Analysis

PASSED

Example COA Group

 500 S. Federal Highway
 Hallandale Beach, FL, 33009, US
 Telephone: 1234567899
 Email: sampleemail@gmail.com

 Sample : KN30403009-001
 Harvest/Lot ID: -

 Batch# : -
 Sampled : 04/12/23
 Ordered : 04/12/23

 Sample Size Received : 1 ml
 Total Batch Size : N/A
 Completed : 04/17/23 Expires: 04/17/24
 Sample Method : SOP Client Method

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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
ETHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	ND
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	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: 138, 3050	Weight: 0.02774g	Extraction date: 04/17/23 10:56:00	Extracted by: 138
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Analysis Method : SOP.T.40.041.TN	Reviewed On : 04/17/23 14:38:09
Analytical Batch : KN003685SOL	Batch Date : 04/13/23 08:41:04
Instrument Used : E-SHI-106	
Running on : N/A	

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.



Certificate of Analysis

PASSED

Example COA Group

 500 S. Federal Highway
 Hallandale Beach, FL, 33009, US
 Telephone: 1234567899
 Email: sampleemail@gmail.com

 Sample : KN30403009-001
 Harvest/Lot ID : -
 Batch# : -
 Sampled : 04/12/23
 Ordered : 04/12/23

 Sample Size Received : 1 ml
 Total Batch Size : N/A
 Completed : 04/17/23 Expires: 04/17/24
 Sample Method : SOP Client Method

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	Microbial	PASSED
	Mycotoxins	PASSED

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: 1.0312g Extraction date: 04/13/23 10:37:03 Extracted by: 2805

Analysis Method : SOP.T.40.056C, SOP.T.40.041
 Analytical Batch : KN003676MIC Reviewed On : 04/17/23 08:20:07
 Instrument Used : E-HEW-069 Batch Date : 04/07/23 08:50:08
 Running on : N/A

Dilution : N/A
 Reagent : 101822.09; 010923.03; 072722.06; 101822.07; 020323.03; 092222.01
 Consumables : 22/04/01; 251773; 242429; 2DAX30621; P7528255; 41218-146C4-146C; 263989; 93825; n/a; 247040; 0150210; 010205; 007109; 013209
 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: 1.0017g Extraction date: 04/14/23 09:59:24 Extracted by: 2803

Analysis Method : SOP.T.40.101.TN
 Analytical Batch : KN003689MYC Reviewed On : 04/14/23 11:40:01
 Instrument Used : E-SHI-125 Batch Date : 04/14/23 10:08:21
 Running on : N/A

Dilution : 0.01
 Reagent : 010523.R11; 010523.R13; 030723.R19; 040623.R01; 040623.R02; 122322.R26; 101722.03; 032221.01
 Consumables : SFN-BR-1025; 22/04/01; 20220108; 01422036; 251760; 201123-058; 211214634-D; 239146; 947B9291.271; 1350331
 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	0.2
CADMIUM-CD	0.02	ppm	ND	PASS	0.2
MERCURY-HG	0.02	ppm	<0.04	PASS	0.2
LEAD-PB	0.02	ppm	ND	PASS	0.5

Analyzed by: 2837, 138 Weight: 0.253g Extraction date: 04/13/23 08:21:57 Extracted by: 2837

Analysis Method : SOP.T.30.082, SOP.T.40.082.TN
 Analytical Batch : KN003683HEA Reviewed On : 04/14/23 13:04:37
 Instrument Used : E-AGI-084 Batch Date : 04/12/23 15:18:18
 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; 010323.R06
 Consumables : 257747; 829C6-829B; 221200; 12568-237CD-237C
 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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PASSED

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500 S. Federal Highway
Hallandale Beach, FL, 33009, US
Telephone: 1234567899
Email: sampleemail@gmail.com

Sample : KN30403009-001
Harvest/Lot ID: -
Batch# : -
Sampled : 04/12/23
Ordered : 04/12/23

Sample Size Received : 1 ml
Total Batch Size : N/A
Completed : 04/17/23 Expires: 04/17/24
Sample Method : SOP Client Method

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

Analyzed by: 2805	Weight: 0.5301g	Extraction date: 04/13/23 10:38:19	Extracted by: 2805
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Analysis Method : SOP.T.40.090
Analytical Batch : KN003637FIL
Instrument Used : E-AMS-138
Running on : N/A

Reviewed On : 04/13/23 10:38:35
Batch Date : 03/21/23 12:14:24

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.

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