



Certificate of Analysis

PASSED

CanniLabs

 10555 W Donges Court
 Milwaukee, WI, 53224, US
 Telephone: (414) 841-6787
 Email: Boris@cannilabs.com

 Sample : KN40313004-001
 Harvest/Lot ID: 3764-1

 Batch# : 3764-1
 Sampled : 03/08/24
 Ordered : 03/08/24

 Sample Size Received : 14 gram
 Completed : 03/20/24 Expires: 03/20/25

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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	ND
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	ND
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
CLOFENTZINE	0.006	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.006	ppm	0.1	PASS	ND						
DIAZANON	0.006	ppm	0.2	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						
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						
OKAMYL	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						

Analyzed by: 2803 Weight: 1.0087g Extraction date: N/A Extracted by: 2803
 Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN
 Analytical Batch : KN004645PES
 Instrument Used : E-SHI-125
 Running on : N/A
 Dilution : N/A
 Reagent : 100422.01; 021324.R01; 011224.R15; 021624.R20; 021624.R21; 102323.R25; 122023.02; 012624.05; 022724.R34; 022724.R10
 Consumables : 301011028; 264830; 22/04/01; 230905; 21332MO; 89291.135; 01422036; 251760; 260148; 230713634D; 1008702218; GD220016; 0000257576; 1350331; H110738-34; 230315
 Pipette : E-EPP-080; E-EPP-081; E-EPP-082; 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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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	<380
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: 0.023g	Extraction date: 03/13/24 10:00:20	Extracted by: 3050
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 Analysis Method : SOP.T.40.041.TN
 Analytical Batch : KN004619SOL
 Instrument Used : E-SHI-106
 Running on : N/A

 Reviewed On : 03/13/24 19:39:28
 Batch Date : 03/12/24 08:54:13

 Dilution : N/A
 Reagent : N/A
 Consumables : R2017.099; G201.100
 Pipette : N/A

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



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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: 2837 Weight: 1.0372g Extraction date: 03/13/24 11:53:53 Extracted by: 2837

 Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU
 Analytical Batch : KN004624MIC Reviewed On : 03/14/24 12:25:01
 Instrument Used : E-HEW-069 Batch Date : 03/12/24 13:20:03
 Running on : N/A

 Dilution : N/A
 Reagent : 030524.01; 081123.07; 100923.01; 081623.01; 081123.20; 111523.04; 121923.04; 042723.04; 110623.01; 012524.02
 Consumables : 264830; GD220016; 1350331; 22/04/01; 20221223; 10RWL0415W15; 264041; 251760; 242429; 230612634D; P7528255; 41218-146C4-146C; 93825; n/a; 247040; 230207634D
 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: 1.0087g Extraction date: N/A Extracted by: 2803

 Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN
 Analytical Batch : KN004646MYC Reviewed On : 03/20/24 10:59:27
 Instrument Used : E-SHI-125 Batch Date : 03/20/24 10:14:39
 Running on : N/A

 Dilution : N/A
 Reagent : 100422.01; 021324.R01; 011224.R15; 021624.R20; 021624.R21; 102323.R25; 122023.02; 012624.05; 022724.R34; 022724.R10
 Consumables : 301011028; 264830; 22/04/01; 230905; 21332MO; B9291.135; 01422036; 251760; 260148; 230713634D; 1008702218; GD220016; 0000257576; 1350331; H110738-34; 230315
 Pipette : E-EPP-080; E-EPP-081; E-EPP-082; 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

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, 3050 Weight: 0.2635g Extraction date: 03/15/24 11:32:22 Extracted by: 2837

 Analysis Method : SOP.T.30.082, SOP.T.40.082, TN
 Analytical Batch : KN004626HEA Reviewed On : 03/15/24 18:46:20
 Instrument Used : E-AGI-084 Batch Date : 03/14/24 08:24:14
 Running on : N/A

 Dilution : N/A
 Reagent : 121823.01; 100422.02; 021424.R01; 020824.R01; 110323.06; 020624.R04; 010424.R01; 011224.R16; 030624.R02; 030624.R03; 030624.R04; 031623.R02; 010224.R05; 011824.R06
 Consumables : 264830; 1008702218; GD220016; 1350331; 6121219; n/a; 221200; A260422A; A30701833
 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: 0.5453g	Extraction date: 03/13/24 12:54:49	Extracted by: 2837
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 Analysis Method : SOP.T.40.090
 Analytical Batch : KN004613FIL
 Instrument Used : E-AMS-138
 Running on : N/A

 Reviewed On : 03/13/24 12:56:38
 Batch Date : 03/11/24 12:17:15

 Dilution : N/A
 Reagent : N/A
 Consumables : 6850215; GD220016; 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 used for inspection.