

Barford 0001 - Sensitive CHEWS



Arkansas Location

Laboratory Address: 232 S. Broadview St.
Greenbrier, AR 72058
Telephone: (501) 679-2616

Oklahoma Location

Laboratory Address: 3680 E. Interstate 240 Service Rd.
Oklahoma City, OK 73135
Telephone: (405) 595-0344
Email Address: Info@FASTLaboratories.com

Remarks.

HEAVY METAL PROFILE

Analysis Date/Time: 03/14/2019 0845

Method: ICP/MS

Deviations from S

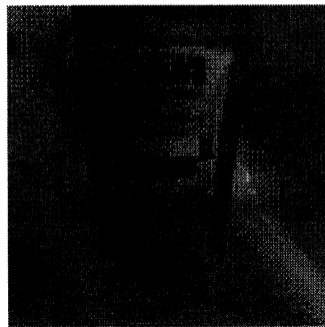
Analyst: KF

Instrument: PerkinElmer Elan 9000

None

Heavy Metal

	<u>Result</u> ($\mu\text{g}/\text{kg}$)	<u>Action Level</u> ($\mu\text{g}/\text{kg}$)
Arsenic (As)		200
Cadmium (Cd)		200
Lead (Pb)		100
Mercury (Hg)		500



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Email Address: Info@FASTLaboratories.com

CERTIFICATE OF ANALYSIS

Remarks:

MICROBIOLOGICAL PROFILE

Analysis Date/Time: 03/16/2019 0800

Method: Hardy Diagnostics CompactDry

Deviations from

Analyst: KF

Instrument:

None

Bacteria/Microbe

Result
(CFU/g)

Action Level
(CFU/g)

Aerobic Plate Count, Total



100

Coliforms, Total



100

Escherichia Coli (E. Coli)



1

Mold



10000

Yeast

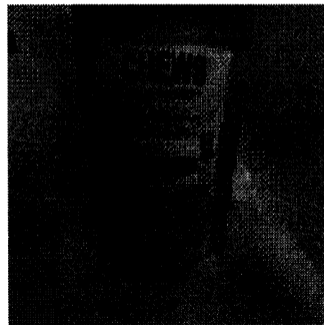


10000

Salmonella spp.



1



Abbreviations: EC - Escherichia Coli, CFU - Colony-Forming Unit,

Color Key

- not detected above
reporting limit

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FAST
LABORATORIES/RESEARCH

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CERTIFICATE OF ANALYSIS

Remarks:

PESTICIDES PROFILE

Analysis Date/Time: 03/13/2019 1224

Method: LC/MS/MS and GC/MS

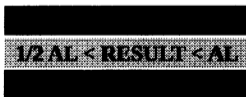
Deviations from SOP:

Analyst: KF

Instrument: Waters Acquity/TQD

None

<u>Pesticide</u>	<u>Result</u> ($\mu\text{g/g}$)	<u>Action Level</u> ($\mu\text{g/g}$)	<u>Pesticide</u>	<u>Result</u> ($\mu\text{g/g}$)	<u>Action Level</u> ($\mu\text{g/g}$)
Abamectin (71751-41-2)		0.5	Imazalil (35554-44-0)		0.2
Acephate (30560-19-1)		0.4	Imidacloprid (138261-41-3)		0.4
Acequinocyl (57960-19-7)		2	Kresoxim-methyl* (143390-89-0)		0.4
Acetamiprid (135410-20-7)		0.2	Malathion (121-75-5)		0.2
Aldicarb (116-06-3)		0.4	Metalaxyl* (57837-19-1)		0.2
Azoxystrobin (131860-33-8)		0.2	Methiocarb (2032-65-7)		0.2
Bifenazate* (149877-41-8)		0.2	Methomyl (16752-77-5)		0.4
Bifenthrin* (82657-04-3)		0.2	Methyl parathion* (298-0-0)		0.2
Boscalid* (188425-85-6)		0.4	MGK 264* (113-48-4)		0.2
Carbaryl (63-25-2)		0.2	Myclobutanil (88671-89-0)		0.2
Carbofuran (1563-66-2)		0.2	Naled (300-76-5)		0.5
Chlorantraniliprole (800008-45-7)		0.2	Oxamyl (23135-22-0)		1
Chlorfenapyr* (122453-73-0)		1	Paclobutrazol* (76738-62-0)		0.4
Chlorpyrifos* (2921-88-2)		0.2	Picosulfuron* (52245-52-1)		0.2

Color KeyReporting Limit ($\mu\text{g/g}$)

1/2 of AL

"- " not detected above

Diniconazim (89-51-9)		0.2	Fenprophos (50483-71-3)		0.2	permethrin isomers.
Ethoprophos* (13194-48-4)		0.2	Spinosad A (168316-95-8)		0.2	Pyrethrin measures as the cumulative residue of pyrethrin I, cinerin I, and jasmolin I.
Etofenprox (80844-07-1)		0.4	Spinosad D (168316-95-8)		0.2	
Etoxazole (153233-91-1)		0.2	Spiromesifen (283594-90-1)		0.2	
Fenoxycarb (72490-01-8)		0.2	Spirotetramat (203313-25-1)		0.2	
(E)-Fenpyroximate (134098-61-6)		0.4	Spiroxamine (118134-30-8)		0.4	
Fipronil* (120068-37-3)		0.4	Tebuconazole (80443-41-0)		0.4	
Flonicamid (158062-67-0)		1	Thiacloprid (111988-49-9)		0.2	
Fludioxinil (131341-86-1)		0.4	Thiamethoxam (153719-23-4)		0.2	
Hexythiazox (78587-05-0)		1	Trifloxystrobin* (141517-21-7)		0.2	

Abbreviations: LC - Liquid Chromatography, GC - Gas Chromatography, MS - Mass Spectrometry, RK - Reporting Limit, AL - Action Level, CAS - Chemical Abstract Services

<u>Pesticide</u>	<u>Synonym(s)</u>	<u>Pesticide</u>	<u>Synonym(s)</u>	<u>Pesticide</u>	<u>Synonym(s)</u>
Cyfluthrin	Baythroid	Myclobutanil	Sythane	Propiconazole	Tilt
DDVP	Dichlorvos	Naled	Dibrom	Propoxur	Baygon
Ethoprophos	Phosphos	Phosmet	Imidan		

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CERTIFICATE OF ANALYSIS

Order Type: Medical Cannabis **Customer ID:** 41 **Harvest/Extract Lot:** None
Order ID: OR2019-623 **Customer Name:** Lone Wolfe Ventures **Harvest/Extract Batch:** None

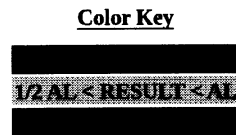
Cultivar (Strain): Chocolate Chews **Lab ID:** SA2019-2359 **Sample Matrix:** Edible
Sample Date: 03/12/2019 **Date Received:** 03/13/2019 **Date Completed:** 03/18/2019

Remarks:

RESIDUAL SOLVENT PROFILE

Analysis Date/Time: 03/12/2019 1948 **Method:** USP <467> **Deviations from SOP:**
Analyst: OL **Instrument:** Agilent 6890 None

Solvent	Result (µg/g)	Action Level (µg/g)	Solvent	Result (µg/g)	Action Level (µg/g)
Acetone (67-64-1)		5000	n-Heptane (142-82-5)		5000
Acetonitrile (75-5-8)		410	n-Hexane (110-54-3)		290
Benzene (71-43-2)		2	Isobutane (75-28-5)		5000
n-Butane (106-97-2)		5000	Isopropanol (67-63-0)		5000
1-Butanol (71-36-3)		5000	Isopropyl acetate (108-21-4)		5000
2-Butanol (78-92-2)		5000	Isopropyl benzene (98-82-8)		70
2-Butanone (78-93-3)		5000	Methanol (67-56-1)		3000
Cyclohexane (110-82-7)		3880	2-Methylbutane (78-78-4)		5000
1,2-Dimethoxyethane (110-71-4)		100	Methylene chloride (75-9-2)		600
N,N-Dimethylacetamide (127-19-5)		1090	2-Methylpentane (107-83-5)		290
2,2-Dimethylbutane (75-83-2)		290	3-Methylpentane (96-10-0)		290
2,3-Dimethylbutane (79-29-8)		290	n-Pentane (109-66-0)		5000
N,N-Dimethylformamide (68-12-2)		880	1-Pentanol (71-41-0)		5000
Dimethylsulfoxide (67-68-5)		5000	n-Propane (74-98-6)		5000
1,4-Dioxane (123-91-1)		380	1-Propanol (71-23-8)		5000
Ethanol (64-17-5)		5000	Pyridine (110-86-1)		200
2-Ethoxyethanol (110-80-5)		160	Tetrahydrofuran (109-99-9)		720
Ethyl ether (60-29-7)		5000	Tetramethylene sulfone (126-33-0)		160
Ethyl acetate (141-78-6)		5000	Toluene (108-88-3)		890
Ethyl benzene (100-41-4)		217	o-Xylene (95-47-6)		2170
Ethylene glycol (107-21-1)		620	m,p-Xylene (108-38-3 or 106-42-3)		2170
Ethylene oxide (75-21-8)		50	Xylenes* (1330-20-7)		2170



Reporting Limit (µg/g)
 1/2 of AL
 "-" not detected above reporting limit
 "*" - o,m,p-Xylene and Ethylbenzene

Solvent	Synonym(s)	Solvent	Synonym(s)	Solvent	Synonym(s)
Acetonitrile	Methyl Cyanide, ACN	2-Ethoxyethanol	Cellosolve, Ethyl glycol	Methanol	Methyl alcohol
1-Butanol	n-Butanol, Butyl Alcohol	Ethyl ether	Diethyl ether, Ether	2-Methylbutane	Isopentane
2-Butanol	sec-Butyl alcohol	Ethyl acetate	EtOAc	Methylene chloride	Dichloromethane
2-Butanone	Methyl ethyl ketone, MEK	Ethyl benzene	Phenylethane	2-Methylpentane	Isohexane
1,2-Dimethoxyethane	Monoglyme	Ethylene glycol	1,2-Ethanediol	1-Pentanol	n-Amyl alcohol
2,3-Dimethylbutane	Neohexane	Ethylene oxide	Oxirane	1-Propanol	Propyl alcohol
2,3-Dimethylbutane	Diisopropyl	Isobutane	2-Methylpropane	Tetrahydrofuran	THF
N,N-Dimethylformamide	DMF	Isopropanol	2-Propanol, IPA	Tetramethylene sulfone	Sulfolane
Dimethylsulfoxide	DMSO	Isopropyl Acetate	Acetic acid isopropyl ester	Xylene	Dimethylbenzene

Abbreviations: HS-Headspace, GC-Gas Chromatography, MS-Mass Spectrometry, RL-Reporting Limit, AL-Action Level
 CAS-Chemical Abstract Services

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REPORT OF LABORATORY ANALYSIS

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 Kyle W. Felling, Ph.D.
 Laboratory Director