

August 13th, 2020

To:

Austin Bingham, M.S.E.
Koodegras LLC

Arsenic, cadmium, lead and mercury were determined in the following samples by external calibration/internal standard with ICPMS detection following microwave acid digestion:

ICPMS Lab ID	1930-06
Date Received	2/28/2020
Sample Name	Pet Drops
Lot/Batch Number	4-3-0008
Matrix Type	drops
	concentration
	ppm
As	0.001
Cd	<0.0001
Pb	<0.005
Hg	0.001



Dr. Diego P. Fernandez
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Koodegras

4356 S. 900 E.
Millcreek, UT 84124
(801) 623-9861

Laboratory Number: 2010357-01

Batch #: 4-3-8

Sample Received: 10/22/2020; Report Created: 12/2/2020

Koodegras Pet Drops

Ingestible

Sample Image



Terpenes (GCMS-MS) Analyzed: By:

Compound	mg/g	%
alpha-Bisabolol	NT	NT
(-)-Borneol and (+)-Borneol	NT	NT
Camphene	NT	NT
Camphor	NT	NT
beta-Caryophyllene	NT	NT
trans-Caryophyllene	NT	NT
Caryophyllene Oxide	NT	NT
alpha-Cedrene	NT	NT
Cedrol	NT	NT
Endo-fenchyl Alcohol	NT	NT
Eucalyptol	NT	NT
Fenchone	NT	NT
Geraniol	NT	NT
Geranyl acetate	NT	NT
Guaiol	NT	NT
Hexahydrothymol	NT	NT
alpha-Humulene	NT	NT
Isoborneol	NT	NT
Isopulegol	NT	NT
Limonene	NT	NT
Linalool	NT	NT
p-Mentha-1,5-diene	NT	NT
beta-Myrcene	NT	NT
trans-Nerolidol	NT	NT
Ocimene	NT	NT
alpha-Pinene	NT	NT
beta-Pinene	NT	NT
Pulegone	NT	NT
Sabinene	NT	NT
Sabinene Hydrate	NT	NT
gamma-Terpinene	NT	NT
alpha-Terpinene	NT	NT
3-Carene	NT	NT
Terpineol	NT	NT
Terpinolene	NT	NT
Valencene	NT	NT
Nerol	NT	NT
cis-Nerolidol	NT	NT
Total Terpenes	NT	NT

Cannabinoid (HPLC) Analyzed: By:

Compound	LOQ %	%	mg/g
THC-A	NT	NT	NT
delta 9-THC	NT	NT	NT
delta 8-THC	NT	NT	NT
THC-V	NT	NT	NT
CBG-A	NT	NT	NT
CBD-A	NT	NT	NT
CBD	NT	NT	NT
CBD-V	NT	NT	NT
CBN	NT	NT	NT
CBG	NT	NT	NT
CBC	NT	NT	NT

0.00 % 0.00 mg/g	0.00 % 0.00 mg/g	% mg/g
Total THC	Total CBD	Total Cannabinoids

Total THC = THCa * 0.877 + delta 9-THC; Total CBD = CBDa * 0.877 + CBD

NA:NA CBD to THC Ratio	Not Tested Water Activity	Not Tested Moisture
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Safety

Complete Pesticides	Complete Microbials	Not Tested Residual Solvents	Not Tested Metals	Not Tested pH
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RL = Reporting Limit
NA = Not Applicable
NT = Not Tested
ND = Non Detected
LOQ = Limit of Quantification

Tabitha A. Hauer
Tabitha Hauer
Owner



This product has been tested by Desert Valley Testing using valid testing methodologies. Values reported only relate to the product tested. Desert Valley Testing makes no claims to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Desert Valley Testing.

Koodegras

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Laboratory Number: 2010357-01

Batch #: 4-3-8
Sample Received: 10/22/2020; Report Created: 12/2/2020

Koodegras Pet Drops Ingestible

Metals Analyzed: By:

Compound	RL	ppm
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Arsenic	NT	NT
Cadmium	NT	NT
Lead	NT	NT
Mercury	NT	NT

Mycotoxins Analyzed: By:

Compound	RL	ppb
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Aflatoxins	NT	NT
Ochratoxins	NT	NT

Microbials Analyzed: 11/12/2020 By: KRB

Compound	RL	Result	Units
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Total Coliform	10.0	ND	cfu/g
E. coli	10.0	ND	cfu/g

Microbials Analyzed: By:

Compound	RL	Result	Units
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Salmonella	NT	NT	cfu/g
Aspergillus	NT	NT	cfu/g
Yeast	NT	NT	cfu/g
Mold	NT	NT	cfu/g
Aerobic Bacteria	NT	NT	cfu/g
Enterobacteria	NT	NT	cfu/g

Residual Solvents (GCMS-MS) Analyzed: By:

Compound	RL	ppm
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Propane	NT	NT
Butanes	NT	NT
Pentanes	NT	NT
Acetonitrile	NT	NT
Dichloromethane	NT	NT
Hexanes	NT	NT
Chloroform	NT	NT
n-Heptane	NT	NT
Methanol	NT	NT
Ethanol	NT	NT
Diethyl Ether	NT	NT
Acetone	NT	NT
Isopropanol	NT	NT
Ethyl acetate	NT	NT
Isopropyl acetate	NT	NT
Benzene	NT	NT
Toluene	NT	NT
Xylenes	NT	NT

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Laboratory Number: 2010357-01

Batch #: 4-3-8
Sample Received: 10/22/2020; Report Created: 12/2/2020

Koodegras Pet Drops
Ingestible

Pesticides (LC-MS TQ) Analyzed: 11/13/20 By: JVR					
Compound	RL	ppm	Compound	RL	ppm
Acephate	0.050	ND	Acequinocyl	0.050	ND
Acetamiprid	0.025	ND	Aldicarb	0.010	ND
Azoxystrobin	0.025	ND	Bifenthrin	0.025	ND
Boscalid	0.050	ND	Carbaryl	0.005	ND
Carbofuran	0.005	ND	Chlorpyrifos	0.025	ND
Diazinon	0.005	ND	Dimethoate	0.005	ND
Ethoprophos	0.005	ND	Etofenprox	0.010	ND
Etoxazole	0.005	ND	Fenoxycarb	0.025	ND
Fenpyroximate E	0.010	ND	Flonicamid	0.125	ND
Fludioxonil	0.050	ND	Hexythiazox	0.025	ND
Imazalil	0.025	ND	Imidacloprid	0.050	ND
Kresoxim-methyl	0.050	ND	Malathion	0.005	ND
Metalaxyl	0.005	ND	Methiocarb	0.005	ND
Methomyl	0.010	ND	Myclobutanil	0.005	ND
Naled	0.013	ND	Oxamyl	0.025	ND
Piperonyl butoxide	0.050	ND	Propiconazole	0.010	ND
Propoxure	0.005	ND	Spiromesifen	0.005	ND
Spirotetramat	0.025	ND	Spiroxamine	0.010	ND
Tebuconazole	0.025	ND	Thiacloprid	0.005	ND
Thiamethoxam	0.025	ND	Trifloxystrobin	0.025	ND

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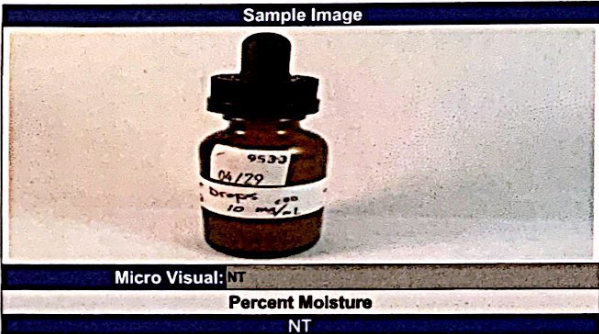
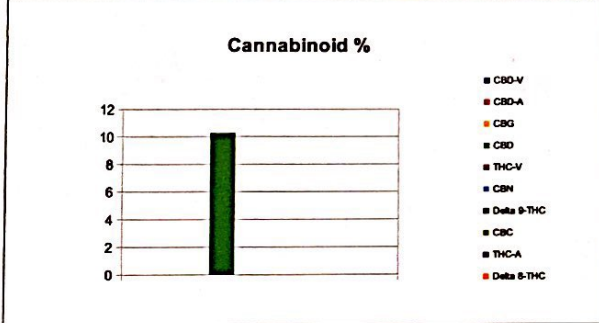
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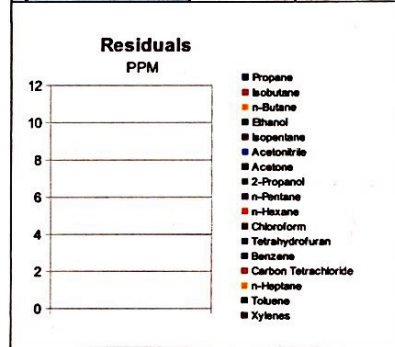
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Sample Information			
Sample Identification	CBD Pet Water Soluble		
Laboratory Number	2019009533		
Batch Number	4-3-0001		
Matrix	Topical		
Analyzed Date	04/29/19		
Extraction Date	04/29/19		
Cannabinoid (HPLC)	mg/mL	mg/Bottle	%
Compound			
CBD-V	ND	NA	ND
CBD-A	ND	NA	ND
CBG	ND	NA	ND
CBD	10.27	NA	1.01%
THC-V	ND	NA	ND
CBN	ND	NA	ND
Delta 9-THC	ND	NA	ND
CBC	ND	NA	ND
THC-A	ND	NA	ND
Delta 8-THC	ND	NA	ND
Cannabinoids Total			
Max Active THC	ND	NA	ND
Max Active CBD	10.27	NA	1.01%
T. Active Cannabinoids	10.27	NA	1.01%
Total Cannabinoids	10.27	NA	1.01%

Max Active Ratios			
NA:1 CBD to THC			
NA:1 THC to CBD			



RS (GCMS-MS)	PPM	RL
Compound		
Propane	ND	5.0
isobutane	ND	5.0
n-Butane	ND	5.0
Ethanol	ND	5.0
isopentane	ND	5.0
Acetonitrile	ND	5.0
Acetone	ND	50.0
2-Propanol	ND	5.0
n-Pentane	ND	5.0
n-Hexane	ND	5.0
Chloroform	ND	5.0
Tetrahydrofuran	ND	5.0
Benzene	ND	5.0
Carbon Tetrachloride	ND	5.0
n-Heptane	ND	5.0
Toluene	ND	5.0
Xylenes	ND	10.0



mL/Bottle	NA
mg THC/Bottle	NA
mg CBD/Bottle	NA
(mg) total cannabinoids/bottle	NA

Metals	PPM	RL
Compound		
Lead	NT	0.010
Arsenic	NT	0.010
Cadmium	NT	0.010
Mercury	NT	0.001

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Terpene (GC-MS)	mg/mL	mg/Bottle
Compound		
alpha-Pinene	NT	NT
Camphene	NT	NT
Sabinene	NT	NT
beta-Myrcene	NT	NT
Beta-Pinene	NT	NT
p-mentha-1,5-diene	NT	NT
(1S)(+)-3-Carene	NT	NT
Alpha-Terpinene	NT	NT
Ocimene Isomer 1	NT	NT
(R)(+)-Limonene	NT	NT
Ocimene Isomer2	NT	NT
Eucalyptol (1,8-Cineole)	NT	NT
gamma-Terpinene	NT	NT
Sabinene Hydrate	NT	NT
Terpinolene	NT	NT
Linalool	NT	NT
(+)-Fenchone and L(-)-Fenchone	NT	NT
1R)-Endo-(+)-Fenchyl	NT	NT
(-)-Isopulegol	NT	NT
Camphor	NT	NT
Isoborneol	NT	NT
Hexahydrothymol	NT	NT
(+)-Borneol and (-) Borneol	NT	NT
alpha-Terpineol	NT	NT
gamma-Terpineol	NT	NT
Nerol	NT	NT
Geraniol	NT	NT
(+)-Pulegone	NT	NT
Geranyl Acetate	NT	NT
alpha-Cedrene	NT	NT
trans- Caryophyllene	NT	NT
alpha-Humulene	NT	NT
Valencene	NT	NT
cis-Nerolidol	NT	NT
trans-Nerolidol	NT	NT
Guaiol	NT	NT
(-)-Caryophyllene Oxide	NT	NT
(+)-Cedrol	NT	NT
(-)-alpha-Bisabolol	NT	NT
Total Terpenes	NT	NT

