



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Product identity: Lem Ging Drops 500mg
Laboratory ID: 19-009786-0004

Client/Metric ID: LESMCTCC19172LG
Sample Date: 08/15/19 13:00

Summary

Potency:

Analyte	Result	Limits	Units	LOQ	
CBD	1.84		%	0.10	CBD-Total (%) 1.84 %
Analyte per 1ml	Result	Limits	Units	LOQ	
CBD per 1ml	20.2		mg/1ml	1.00	CBD-Total per 1ml 20.2 mg/1ml
Analyte per 30ml	Result	Limits	Units	LOQ	
CBD per 30ml	607		mg/30ml	30.1	CBD-Total per 30ml 607 mg/30ml
					THC-Total (%) < LOQ

Serving size: 30ml

Servings per container: 30

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.



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Customer: Sentia Wellness
3931 NE Columbia Blvd
Portland Oregon 97211
United States

Product identity: Lem Ging Drops 500mg
Client/Metric ID: LESMCTCC19172LG
Sample Date: 08/15/19 13:00
Laboratory ID: 19-009786-0004
Relinquished by: Ira Rubio
Temp: 26 °C
Serving Size #1: 1.1 g

Sample Results

Potency		Batch: 1907573					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBC-Total [†]	< LOQ		%	0.179	08/21/19	J AOAC 2015 V98-6	
CBD	1.84		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBD-Total	1.84		%	0.179	08/21/19	J AOAC 2015 V98-6	
CBDV [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBDV-Total [†]	< LOQ		%	0.178	08/21/19	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBG-Total [†]	< LOQ		%	0.178	08/21/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.179	08/21/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0955	08/17/19	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.178	08/21/19	J AOAC 2015 V98-6	



Potency per 1ml	Batch: 1907573
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Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBC-A per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBC-Total per 1ml [†]	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBD per 1ml	20.2		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	20.2		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBDV per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml [†]	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBG-Total per 1ml [†]	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
CBN per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ		mg/1ml	1.00	08/17/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	1.88	08/21/19	J AOAC 2015 V98-6	

Potency per 30ml	Batch: 1907573
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Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBC-A per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBC-Total per 30ml [†]	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBD per 30ml	607		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	607		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBDV per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBDV-A per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml [†]	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBG per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBG-A per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBG-Total per 30ml [†]	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
CBL per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	
THCV per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THCV-A per 30ml [†]	< LOQ		mg/30ml	30.1	08/17/19	J AOAC 2015 V98-6	
THCV-Total per 30ml [†]	< LOQ		mg/30ml	56.6	08/21/19	J AOAC 2015 V98-6	



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Solvents						Method EPA5021A		Units µg/g	Batch 1907415	Analyze 08/16/19 05:08 PM			
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes		
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass			
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane	< LOQ		200				
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass			
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane	< LOQ		200				
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0				
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass			
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass			
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass			
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass			
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	30.0	pass			
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass			
Isopropylbenzene	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200				
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	200	pass			
Methylpropane	< LOQ		200			n-Butane	< LOQ		200				
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0				
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200				
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass			
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass			
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl	< LOQ	2170	600	pass			



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Pesticides		Method AOAC 2007.01 & EN 15662 (mod)				Units mg/kg	Batch 1907420	Analyze 08/16/19 06:25 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes	
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass		
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass		
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass		
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass		
Boscalid	< LOQ	0.40	0.100	pass		Carbaryl	< LOQ	0.20	0.100	pass		
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass		
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass		
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin (incl.	< LOQ	1.0	0.500	pass		
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass		
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass		
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass		
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass		
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass		
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass		
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass		
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass		
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass		
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass		
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass		
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass		
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass		
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass		
Phosmet	< LOQ	0.20	0.100	pass		Piperonyl butoxide	< LOQ	2.0	1.00	pass		
Prallethrin	< LOQ	0.20	0.100	pass		Propiconazole	< LOQ	0.40	0.200	pass		
Propoxur	< LOQ	0.20	0.100	pass		Pyrethrin I (total)	< LOQ	1.0	0.500	pass		
Pyridaben	< LOQ	0.20	0.100	pass		Spinosad	< LOQ	0.20	0.100	pass		
Spiromesifen	< LOQ	0.20	0.100	pass		Spirotetramat	< LOQ	0.20	0.100	pass		
Spiroxamine	< LOQ	0.40	0.200	pass		Tebuconazole	< LOQ	0.40	0.200	pass		
Thiacloprid	< LOQ	0.20	0.100	pass		Thiamethoxam	< LOQ	0.20	0.100	pass		
Trifloxystrobin	< LOQ	0.20	0.100	pass								



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Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

g = Gram

µg/g = Microgram per gram

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1.1g = Milligram per 1.1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



Job Number: 19-009786
Report Number: 19-009786-00
Report Date: 08/22/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/15/19 15:00

This report cannot be used for ODA, OHA or OLCC compliance requirements.

Laboratory Quality Control Results									
EPA 5021					Batch ID: 1907415				
Method Blank					Laboratory Control Sample				
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		861	1200	µg/g	71.8	70 - 130	
Isobutane	ND	< 200		1110	1570	µg/g	70.7	70 - 130	
Butane	ND	< 200		1110	1570	µg/g	70.7	70 - 130	
2,2-dimethylpropane	ND	< 200		1410	1980	µg/g	71.2	70 - 130	
Methanol	ND	< 200		1520	2090	µg/g	72.7	70 - 130	
Ethylene Oxide	ND	< 30		87.8	119	µg/g	73.8	70 - 130	
2-Methylbutane	ND	< 200		1590	2130	µg/g	74.6	70 - 130	
n-Pentane	ND	< 200		1610	2090	µg/g	77.0	70 - 130	
Ethanol	ND	< 200		1610	2100	µg/g	76.7	70 - 130	
Ethyl Ether	ND	< 200		1640	2130	µg/g	77.0	70 - 130	
2,2-Dimethylbutane	ND	< 30		423	542	µg/g	78.0	70 - 130	
Acetone	ND	< 200		1600	2080	µg/g	76.9	70 - 130	
Isopropyl alcohol	ND	< 200		1620	2080	µg/g	77.9	70 - 130	
Acetonitrile	ND	< 100		563	804	µg/g	70.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		193	265	µg/g	72.8	70 - 130	
Dichloromethane	ND	< 200		627	829	µg/g	75.6	70 - 130	
2-Methylpentane	ND	< 30		276	256	µg/g	107.8	70 - 130	
3-Methylpentane	ND	< 30		199	275	µg/g	72.4	70 - 130	
Hexane	ND	< 30		183	260	µg/g	70.4	70 - 130	
Ethyl acetate	ND	< 200		1570	2070	µg/g	75.8	70 - 130	
2-Butanol	ND	< 200		1620	2110	µg/g	76.8	70 - 130	
Tetrahydrofuran	ND	< 100		622	825	µg/g	75.4	70 - 130	
Cyclohexane	ND	< 200		1660	2080	µg/g	79.8	70 - 130	
Benzene	ND	< 1		23.7	33.6	µg/g	70.5	70 - 130	
Isopropyl Acetate	ND	< 200		1700	2120	µg/g	80.2	70 - 130	
Heptane	ND	< 200		1730	2080	µg/g	83.2	70 - 130	
1,4-Dioxane	ND	< 100		669	817	µg/g	81.9	70 - 130	
2-Ethoxyethanol	ND	< 30		1870	2080	µg/g	89.9	70 - 130	
Ethylene Glycol	ND	< 200		818	818	µg/g	100.0	70 - 130	
Toluene	ND	< 200		686	820	µg/g	83.7	70 - 130	
Ethylbenzene	ND	< 200		1320	1680	µg/g	78.6	70 - 130	
m,p-Xylene	ND	< 200		1390	1650	µg/g	84.2	70 - 130	
o-Xylene	ND	< 200		1400	1670	µg/g	83.8	70 - 130	
Cumene	ND	< 30		266	322	µg/g	82.6	70 - 130	



Job Number: 19-009786
Report Number: 19-009786-00
Report Date: 08/22/2019
ORELAP#: OR100028
Purchase Order:
Received: 08/15/19 15:00

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QC - Sample Duplicate					Sample ID: 19-009786-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isobutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Butane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-dimethylpropane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Methanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	30	µg/g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
n-Pentane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Acetone	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Isopropyl alcohol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Heptane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Ethylbenzene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Cumene	ND	ND	30	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
* Screening only
Q1 Quality Control result biased high. Only non detect samples reported.

Units of Measure:

µg/g: Microgram per gram or ppm
mg/Kg - Milligrams per Kilogram
Aw- Water Activity unit



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Revision: 0.01 Control: CFL-C22
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg		Batch ID: 1907420			
Method Blank				Laboratory Control Sample				
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.070	1.000	107.0	70 - 130	
Acequinocyl	ND	< 1.000		4.030	4.000	100.8	70 - 130	
Acetamiprid	ND	< 0.100		0.417	0.400	104.3	70 - 130	
Aldicarb	ND	< 0.200		0.860	0.800	107.5	70 - 130	
Abamectin	ND	< 0.288		1.040	1.000	104.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.440	0.400	110.0	70 - 130	
Bifenazate	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Bifenthrin	ND	< 0.100		0.380	0.400	95.0	70 - 130	
Boscalid	ND	< 0.100		0.880	0.800	110.0	70 - 130	
Carbaryl	ND	< 0.100		0.408	0.400	102.0	70 - 130	
Carbofuran	ND	< 0.100		0.425	0.400	106.3	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.373	0.400	93.3	70 - 130	
Chlorfenapyr	ND	< 1.000		2.120	2.000	106.0	70 - 130	
Chlorpyrifos	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Clofentezine	ND	< 0.100		0.412	0.400	103.0	70 - 130	
Cyfluthrin	ND	< 1.000		2.070	2.000	103.5	30 - 150	
Cypermethrin	ND	< 1.000		2.080	2.000	104.0	70 - 130	
Daminozide	ND	< 1.000		2.020	2.000	101.0	30 - 150	
Diazinon	ND	< 0.100		0.424	0.400	106.0	70 - 130	
Dichlorvos	ND	< 0.500		2.150	2.000	107.5	70 - 130	
Dimethoat	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Ethoprophos	ND	< 0.100		0.420	0.400	105.0	70 - 130	
Etofenprox	ND	< 0.100		0.844	0.800	105.5	70 - 130	
Etoxazol	ND	< 0.100		0.434	0.400	108.5	70 - 130	
Fenoxycarb	ND	< 0.100		0.419	0.400	104.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.872	0.800	109.0	70 - 130	
Fipronil	ND	< 0.100		0.897	0.800	112.1	70 - 130	
Flonicamid	ND	< 0.400		1.010	1.000	101.0	70 - 130	
Fludioxonil	ND	< 0.100		0.848	0.800	106.0	70 - 130	
Hexythiazox	ND	< 0.400		1.060	1.000	106.0	70 - 130	
Imazalil	ND	< 0.100		0.442	0.400	110.5	70 - 130	
Imidacloprid	ND	< 0.200		0.855	0.800	106.9	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.842	0.800	105.3	70 - 130	
Malathion	ND	< 0.100		0.432	0.400	108.0	70 - 130	
Metaxyl	ND	< 0.100		0.453	0.400	113.3	70 - 130	
Methiocarb	ND	< 0.100		0.442	0.400	110.5	70 - 130	
Methomyl	ND	< 0.200		0.771	0.800	96.4	70 - 130	
MGK 264	ND	< 0.100		0.415	0.400	103.8	70 - 130	
Myclobutanil	ND	< 0.100		0.435	0.400	108.8	70 - 130	
Naled	ND	< 0.200		1.020	1.000	102.0	70 - 130	
Oxamyl	ND	< 0.400		1.840	2.000	92.0	70 - 130	
Paclobutrazol	ND	< 0.200		0.850	0.800	106.3	70 - 130	
Parathion Methyl	ND	< 0.200		0.691	0.800	86.4	30 - 150	
Permethrin	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Phosmet	ND	< 0.100		0.435	0.400	108.8	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.280	2.000	114.0	70 - 130	
Prallethrin	ND	< 0.200		0.812	0.800	101.5	70 - 130	
Propiconazole	ND	< 0.200		0.839	0.800	104.9	70 - 130	
Propoxur	ND	< 0.100		0.386	0.400	96.5	70 - 130	
Pyrethrins	ND	< 0.500		0.318	0.284	112.0	70 - 130	
Pyridaben	ND	< 0.100		0.416	0.400	104.0	70 - 130	
Spinosad	ND	< 0.100		0.432	0.388	111.3	70 - 130	
Spiromesifen	ND	< 0.100		0.402	0.400	100.5	70 - 130	
Spirotetramat	ND	< 0.100		0.418	0.400	104.5	70 - 130	
Spiroxamine	ND	< 0.100		0.900	0.800	112.5	70 - 130	
Tebuconazol	ND	< 0.200		0.892	0.800	111.5	70 - 130	
Thiacloprid	ND	< 0.100		0.428	0.400	107.0	70 - 130	
Thiamethoxam	ND	< 0.100		0.411	0.400	102.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.428	0.400	107.0	70 - 130	



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Revision: 0.01 Control: CFL-C22
Revised: 12/4/2018 Effective: 12/4/2018

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662				Units: mg/Kg			Batch ID: 1907420				
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 19-009712-0002						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes		
Acephate	0.000	0.817	0.904	1.000	10.1	< 30	81.7	90.4	50 - 150		
Acequinocyl	0.000	4.800	3.910	4.000	20.4	< 30	120.0	97.8	50 - 150		
Acetamiprid	0.000	0.422	0.434	0.400	2.8	< 30	105.5	108.5	50 - 150		
Aldicarb	0.000	0.862	0.843	0.800	2.2	< 30	107.8	105.4	50 - 150		
Abamectin	0.000	1.280	1.320	1.000	3.1	< 30	128.0	132.0	50 - 150		
Azoxystrobin	0.000	0.505	0.482	0.400	4.7	< 30	126.2	120.5	50 - 150		
Bifenazate	0.000	0.438	0.443	0.400	1.1	< 30	109.5	110.8	50 - 150		
Bifenthrin	0.000	1.280	1.170	0.400	9.0	< 30	320.0	292.5	50 - 150	Q1	
Boscalid	0.000	0.819	0.822	0.800	0.4	< 30	102.4	102.8	50 - 150		
Carbaryl	0.000	0.434	0.440	0.400	1.4	< 30	108.5	110.0	50 - 150		
Carbofuran	0.000	0.439	0.422	0.400	3.9	< 30	109.8	105.5	50 - 150		
Chlorantraniliprol	0.000	0.426	0.394	0.400	7.8	< 30	106.5	98.5	50 - 150		
Chlorfenapyr	0.000	2.460	2.250	2.000	8.9	< 30	123.0	112.5	50 - 150		
Chlorpyrifos	0.000	0.879	0.839	0.400	4.7	< 30	219.8	209.8	50 - 150	Q1	
Clofentezine	0.000	0.495	0.509	0.400	2.8	< 30	123.8	127.3	50 - 150		
Cyfluthrin	0.000	3.790	3.470	2.000	8.8	< 30	189.5	173.5	30 - 150	Q1	
Cypermethrin	0.000	2.020	1.950	2.000	3.5	< 30	101.0	97.5	50 - 150		
Daminozide	0.000	2.100	2.160	2.000	2.8	< 30	105.0	108.0	30 - 150		
Diazinon	0.000	0.469	0.495	0.400	5.4	< 30	117.3	123.8	50 - 150		
Dichlorvos	0.000	2.080	2.160	2.000	3.8	< 30	104.0	108.0	50 - 150		
Dimethoat	0.000	0.431	0.437	0.400	1.4	< 30	107.8	109.3	50 - 150		
Ethoprophos	0.000	0.456	0.476	0.400	4.3	< 30	114.0	119.0	50 - 150		
Etofenprox	0.000	1.000	0.909	0.800	9.5	< 30	125.0	113.6	50 - 150		
Etozoxol	0.000	0.505	0.481	0.400	4.9	< 30	126.3	120.3	50 - 150		
Fenoxycarb	0.000	0.420	0.438	0.400	4.2	< 30	105.0	109.5	50 - 150		
Fenpyroximat	0.000	0.799	0.800	0.800	0.1	< 30	99.9	100.0	50 - 150		
Fipronil	0.000	1.050	1.090	0.800	3.7	< 30	131.3	136.3	50 - 150		
Flonicamid	0.000	1.030	0.968	1.000	6.2	< 30	103.0	96.8	50 - 150		
Fludioxonil	0.000	0.850	0.834	0.800	1.9	< 30	106.3	104.3	50 - 150		
Hexythiazox	0.000	2.460	2.570	1.000	4.4	< 30	246.0	257.0	50 - 150	Q1	
Imazalil	0.000	0.388	0.392	0.400	1.0	< 30	97.0	98.0	50 - 150		
Imidacloprid	0.000	0.837	0.904	0.800	7.7	< 30	104.6	113.0	50 - 150		
Kresoxim-Methyl	0.000	0.948	0.926	0.800	2.3	< 30	118.5	115.8	50 - 150		
Malathion	0.000	0.476	0.500	0.400	4.9	< 30	119.0	125.0	50 - 150		
Metaxalyl	0.000	0.472	0.457	0.400	3.2	< 30	118.0	114.3	50 - 150		
Methiocarb	0.000	0.440	0.479	0.400	8.5	< 30	110.0	119.8	50 - 150		
Methomyl	0.000	0.725	0.746	0.800	2.9	< 30	90.6	93.3	50 - 150		
MKG 264	0.000	0.500	0.501	0.400	0.2	< 30	125.0	125.3	50 - 150		
Myclobutanil	0.000	0.422	0.432	0.400	2.3	< 30	105.5	108.0	50 - 150		
Naled	0.000	1.110	1.120	1.000	0.9	< 30	111.0	112.0	50 - 150		
Oxamyl	0.000	1.900	2.000	2.000	5.1	< 30	95.0	100.0	50 - 150		
Paclobutrazol	0.000	0.873	0.913	0.800	4.5	< 30	109.1	114.1	50 - 150		
Parathion Methyl	0.000	0.679	0.728	0.800	7.0	< 30	84.9	91.0	30 - 150		
Permethrin	0.000	0.541	0.491	0.400	9.7	< 30	135.3	122.8	50 - 150		
Phosmet	0.000	0.417	0.446	0.400	6.7	< 30	104.3	111.5	50 - 150		
Piperonyl butoxide	0.000	2.410	2.370	2.000	1.7	< 30	120.5	118.5	50 - 150		
Prallethrin	0.000	1.290	1.390	0.800	7.5	< 30	161.3	173.8	50 - 150	Q1	
Propiconazole	0.000	0.924	0.907	0.800	1.9	< 30	115.5	113.4	50 - 150		
Propoxur	0.000	0.416	0.409	0.400	1.7	< 30	104.0	102.3	50 - 150		
Pyrethrins	0.000	0.337	0.388	0.284	14.1	< 30	118.7	136.6	50 - 150		
Pyridaben	0.000	0.342	0.357	0.400	4.3	< 30	85.5	89.3	50 - 150		
Spinosad	0.000	0.436	0.433	0.388	0.7	< 30	112.4	111.6	50 - 150		
Spiromesifen	0.000	0.560	0.575	0.400	2.6	< 30	140.0	143.8	50 - 150		
Spirotetramat	0.000	0.365	0.374	0.400	2.4	< 30	91.3	93.5	50 - 150		
Sproxamine	0.000	0.864	0.859	0.800	0.6	< 30	108.0	107.4	50 - 150		
Tebuconazol	0.000	0.796	0.841	0.800	5.5	< 30	99.5	105.1	50 - 150		
Thiacloprid	0.000	0.410	0.439	0.400	6.8	< 30	102.5	109.8	50 - 150		
Thiamethoxam	0.000	0.405	0.424	0.400	4.6	< 30	101.3	106.0	50 - 150		
Trifloxystrobin	0.000	0.458	0.466	0.400	1.2	< 30	114.5	116.5	50 - 150		



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Laboratory Quality Control Results

J AOAC 2015 V98-6
Batch ID: 1907573
Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.190	0.2	%	95.0	85 - 115	Acceptable	
CBDV	0.188	0.2	%	94.0	85 - 115	Acceptable	
CBD-A	0.193	0.2	%	96.5	85 - 115	Acceptable	
CBG-A	0.199	0.2	%	99.5	85 - 115	Acceptable	
CBG	0.191	0.2	%	95.5	85 - 115	Acceptable	
CBD	0.192	0.2	%	96.0	85 - 115	Acceptable	
THCV	0.179	0.2	%	89.5	85 - 115	Acceptable	
THCVA	0.178	0.2	%	89.0	85 - 115	Acceptable	
CBN	0.185	0.2	%	92.5	85 - 115	Acceptable	
THC	0.172	0.2	%	86.0	85 - 115	Acceptable	
D8THC	0.181	0.2	%	90.5	85 - 115	Acceptable	
CBL	0.180	0.2	%	90.0	85 - 115	Acceptable	
CBC	0.195	0.2	%	97.5	85 - 115	Acceptable	
THCA	0.175	0.2	%	87.5	85 - 115	Acceptable	
CBCA	0.182	0.2	%	91.0	85 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	ND	0.1	%	< 0.1	Acceptable	
CBDV	ND	0.1	%	< 0.1	Acceptable	
CBD-A	ND	0.1	%	< 0.1	Acceptable	
CBG-A	ND	0.1	%	< 0.1	Acceptable	
CBG	ND	0.1	%	< 0.1	Acceptable	
CBD	ND	0.1	%	< 0.1	Acceptable	
THCV	ND	0.1	%	< 0.1	Acceptable	
THCVA	ND	0.1	%	< 0.1	Acceptable	
CBN	ND	0.1	%	< 0.1	Acceptable	
THC	ND	0.1	%	< 0.1	Acceptable	
D8THC	ND	0.1	%	< 0.1	Acceptable	
CBL	ND	0.1	%	< 0.1	Acceptable	
CBC	ND	0.1	%	< 0.1	Acceptable	
THCA	ND	0.1	%	< 0.1	Acceptable	
CBCA	ND	0.1	%	< 0.1	Acceptable	

Abbreviations

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

Units of Measure:

% - Percent



This report cannot be used for ODA, OHA or OLCC compliance requirements.

J AOAC 2015 V98-6					Batch ID: 1907573			
Sample Duplicate					Sample ID: 19-009664-0001			
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBDV	ND	ND	0.1	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.1	%	0	< 20	Acceptable	
CBG	2.65	2.67	0.1	%	0.752	< 20	Acceptable	
CBD	0.263	0.275	0.1	%	4.46	< 20	Acceptable	
THCV	0.452	0.454	0.1	%	0.442	< 20	Acceptable	
THCVA	ND	ND	0.1	%	0	< 20	Acceptable	
CBN	0.587	0.592	0.1	%	0.848	< 20	Acceptable	
THC	73.4	75.0	0.1	%	2.16	< 20	Acceptable	
D8THC	ND	ND	0.1	%	0	< 20	Acceptable	
CBL	ND	ND	0.1	%	0	< 20	Acceptable	
CBC	2.03	2.04	0.1	%	0.491	< 20	Acceptable	
THCA	ND	ND	0.1	%	0	< 20	Acceptable	
CBCA	ND	ND	0.1	%	0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation

Units of Measure:

% - Percent



This report cannot be used for ODA, OHA or OLCC compliance requirements.

Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	Quantitation level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.