



Customer: Sentia Wellness
Product identity: 750mg Van Mint BS Drop HDTO-1372
Client/Metric ID: .
Laboratory ID: 19-013207-0002 **Sample Date:** 10/25/19 16:00

Summary

Potency:

Analyte	Result	Limits	Units	
CBC†	0.0327		%	CBD-Total (%) 2.59%
CBD	2.59		%	
CBDV†	0.0105		%	CBD-Total per 1ml 28.5 mg/1ml
CBG†	0.00723		%	
CBN	0.0161		%	CBD-Total per 30ml 855 mg/30ml
				THC-Total (%) < LOQ
Analyte per 1ml	Result	Limits	Units	
CBC per 1ml†	0.360		mg/1ml	
CBD per 1ml	28.5		mg/1ml	
CBDV per 1ml†	0.116		mg/1ml	
CBG per 1ml†	0.0795		mg/1ml	
CBN per 1ml	0.177		mg/1ml	
Analyte per 30ml	Result	Limits	Units	
CBC per 30ml†	10.8		mg/30ml	
CBD per 30ml	855		mg/30ml	
CBDV per 30ml†	3.47		mg/30ml	
CBG per 30ml†	2.39		mg/30ml	
CBN per 30ml	5.31		mg/30ml	

Serving size: 1ml
 Servings per container: 30

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



Customer: Sentia Wellness
 PO Box 15309
 Portland Oregon 97293
 United States

Product identity: 750mg Van Mint BS Drop HDTO-1372
Client/Metric ID: .
Sample Date: 10/25/19 16:00
Laboratory ID: 19-013207-0002
Relinquished by: Sentia Wellness
Temp: 22.4 °C
Serving Size #1: 1.1 g
Serving Size #2: 33 g

Sample Results

Potency		Batch: 1910053					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC†	0.0327		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBC-A†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBC-Total†	0.0327		%	0.0062	11/06/19	J AOAC 2015 V98-6	
CBD	2.59		%	0.0329	10/31/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBD-Total	2.59		%	0.0358	11/06/19	J AOAC 2015 V98-6	
CBDV†	0.0105		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBDV-A†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBDV-Total†	0.0105		%	0.0061	11/06/19	J AOAC 2015 V98-6	
CBG†	0.00723		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBG-A†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBG-Total†	0.00723		%	0.0061	11/06/19	J AOAC 2015 V98-6	
CBL†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
CBN	0.0161		%	0.0033	10/31/19	J AOAC 2015 V98-6	
Δ8-THC†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.0062	11/06/19	J AOAC 2015 V98-6	
THCV†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
THCV-A†	< LOQ		%	0.0033	10/31/19	J AOAC 2015 V98-6	
THCV-Total†	< LOQ		%	0.0061	11/06/19	J AOAC 2015 V98-6	

Potency per 1ml		Batch: 1910053					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml†	0.360		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBC-A per 1ml†	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBC-Total per 1ml†	0.360		mg/1ml	0.0689	11/06/19	J AOAC 2015 V98-6	
CBD per 1ml	28.5		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	



Potency per 1ml Batch: 1910053

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBD-A per 1ml	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	28.5		mg/1ml	0.0689	11/06/19	J AOAC 2015 V98-6	
CBDV per 1ml [†]	0.116		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml [†]	0.116		mg/1ml	0.0684	11/06/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	0.0795		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBG-Total per 1ml [†]	0.0795		mg/1ml	0.0689	11/06/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
CBN per 1ml	0.177		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	0.0689	11/06/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0367	11/06/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0684	11/06/19	J AOAC 2015 V98-6	

Potency per 30ml Batch: 1910053

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml [†]	10.8		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBC-A per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBC-Total per 30ml [†]	10.8		mg/30ml	2.07	11/06/19	J AOAC 2015 V98-6	
CBD per 30ml	855		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	855		mg/30ml	2.07	11/06/19	J AOAC 2015 V98-6	
CBDV per 30ml [†]	3.47		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBDV-A per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml [†]	3.47		mg/30ml	2.05	11/06/19	J AOAC 2015 V98-6	
CBG per 30ml [†]	2.39		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBG-A per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBG-Total per 30ml [†]	2.39		mg/30ml	2.07	11/06/19	J AOAC 2015 V98-6	
CBL per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
CBN per 30ml	5.31		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	2.07	11/06/19	J AOAC 2015 V98-6	
THCV per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
THCV-A per 30ml [†]	< LOQ		mg/30ml	1.10	11/06/19	J AOAC 2015 V98-6	
THCV-Total per 30ml [†]	< LOQ		mg/30ml	2.05	11/06/19	J AOAC 2015 V98-6	



Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	1909842	11/01/19	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	1909840	11/01/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1909840	11/01/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1909841	11/01/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1909841	11/01/19	AOAC 2014.05 (RAPID)	X
Salmonella spp.	Negative		/10g		1909847	10/31/19	AOAC 2016.01	X

Solvents		Method EPA5021A				Units µg/g	Batch 1909884	Analyze 10/31/19 09:50 AM			
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	



Pesticides	Method AOAC 2007.01 & EN 15662 (mod)					Units mg/kg	Batch 1909973	Analyze 11/01/19 04:05 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	0.200	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	< 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		Etioazole	< 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	0.200	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							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes		
Arsenic	< LOQ		mg/kg	0.0508	1910090	11/05/19	AOAC 2013.06 (mod.)	X		
Cadmium	< LOQ		mg/kg	0.0508	1910090	11/05/19	AOAC 2013.06 (mod.)	X		
Lead	< LOQ		mg/kg	0.0508	1910090	11/05/19	AOAC 2013.06 (mod.)	X		
Mercury	< LOQ		mg/kg	0.0254	1910115	11/06/19	AOAC 2013.06 (mod.)	X		



Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B1 [†]	< LOQ		µg/kg	5.00	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Aflatoxin B2 [†]	< LOQ		µg/kg	5.00	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Aflatoxin G1 [†]	< LOQ		µg/kg	5.00	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Aflatoxin G2 [†]	< LOQ		µg/kg	5.00	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Deoxynivalenol [†]	< LOQ		µg/kg	200	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Fumonisin B1 [†]	< LOQ		µg/kg	200	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Fumonisin B2 [†]	< LOQ		µg/kg	400	1909936	11/01/19	AOAC 2007.01 & EN 15662	
HT2-Toxin [†]	< LOQ		µg/kg	40.0	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Nivalenol [†]	< LOQ		µg/kg	400	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Ochratoxin A [†]	< LOQ		µg/kg	5.00	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Ochratoxin B [†]	< LOQ		µg/kg	2.00	1909936	11/01/19	AOAC 2007.01 & EN 15662	
T2-Toxin [†]	< LOQ		µg/kg	20.0	1909936	11/01/19	AOAC 2007.01 & EN 15662	
Zearalenone [†]	< LOQ		µg/kg	200	1909936	11/01/19	AOAC 2007.01 & EN 15662	



These test results are representative of the individual sample selected and submitted by the client.

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

cfu/g = Colony forming units per gram

g = Gram

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

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

mg/1.1g = Milligram per 1.1g

mg/33g = Milligram per 33g

/10g = Per 10 grams

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg		Batch ID: 1909938			
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.200		1.149	1.000	114.9	76.6 - 128	
Acequinocyl	0.000	< 1.000		4.436	4.000	110.9	71.1 - 128	
Acetamiprid	0.000	< 0.100		0.438	0.400	109.4	86.4 - 118	
Aldicarb	0.000	< 0.200		0.849	0.800	106.2	83.2 - 120	
Abamectin	0.000	< 0.288		1.043	1.000	104.3	79.6 - 122	
Azoxystrobin	0.000	< 0.100		0.405	0.400	101.2	81.9 - 125	
Bifenazate	0.000	< 0.100		0.450	0.400	112.4	82.8 - 121	
Bifenthrin	0.012	< 0.100		0.395	0.400	98.7	76.2 - 127	
Boscalid	0.000	< 0.100		0.856	0.800	107.0	75.9 - 127	
Carbaryl	0.000	< 0.100		0.423	0.400	105.8	85.4 - 118	
Carbofuran	0.000	< 0.100		0.426	0.400	106.5	85.7 - 123	
Chlorantraniliprol	0.000	< 0.100		0.432	0.400	107.9	76.6 - 125	
Chlorfenapyr	0.000	< 1.000		2.061	2.000	103.1	69.6 - 129	
Chlorpyrifos	0.000	< 0.100		0.404	0.400	101.0	71.6 - 131	
Clofentezine	0.000	< 0.100		0.395	0.400	98.8	79.5 - 121	
Cyfluthrin	0.024	< 1.000		1.857	2.000	92.9	73.3 - 129	
Cypermethrin	0.000	< 1.000		2.006	2.000	100.3	87.1 - 123	
Daminozide	0.000	< 1.000		2.173	2.000	108.6	76.2 - 126	
Diazinon	0.000	< 0.100		0.423	0.400	105.7	85.6 - 119	
Dichlorvos	0.000	< 0.500		2.205	2.000	110.2	80.6 - 121	
Dimethoat	0.000	< 0.100		0.450	0.400	112.6	86.3 - 116	
Ethoprophos	0.000	< 0.100		0.449	0.400	112.3	83.0 - 120	
Etofenprox	0.000	< 0.100		0.859	0.800	107.3	81.0 - 128	
Etoxazol	0.000	< 0.100		0.430	0.400	107.4	82.1 - 122	
Fenoxycarb	0.000	< 0.100		0.433	0.400	108.4	85.5 - 119	
Fenpyroximat	0.000	< 0.100		0.842	0.800	105.3	82.4 - 124	
Fipronil	0.009	< 0.100		0.888	0.800	111.0	84.3 - 122	
Flonicamid	0.000	< 0.400		1.087	1.000	108.7	78.7 - 121	
Fludioxonil	0.000	< 0.100		0.956	0.800	119.5	78.4 - 129	
Hexythiazox	0.003	< 0.400		0.999	1.000	99.9	82.0 - 127	
Imazalil	0.000	< 0.100		0.449	0.400	112.4	87.4 - 128	
Imidacloprid	0.000	< 0.200		0.829	0.800	103.6	80.0 - 121	
Kresoxim-Methyl	0.000	< 0.100		0.804	0.800	100.6	83.6 - 121	
Malathion	0.000	< 0.100		0.427	0.400	106.6	81.7 - 122	
Metaxalyl	0.000	< 0.100		0.433	0.400	108.4	84.7 - 120	
Methiocarb	0.000	< 0.100		0.407	0.400	101.7	81.9 - 121	
Methomyl	0.003	< 0.200		0.829	0.800	103.6	75.9 - 122	
MGK 264	0.003	< 0.100		0.372	0.400	93.0	80.3 - 124	
Myclobutanil	0.000	< 0.100		0.432	0.400	108.0	81.7 - 121	
Naled	0.000	< 0.200		1.134	1.000	113.4	82.5 - 122	
Oxamyl	0.089	< 0.400		2.240	2.000	112.0	79.9 - 120	
Paclobutrazol	0.000	< 0.200		0.835	0.800	104.4	84.0 - 124	
Parathion Methyl	0.000	< 0.200		0.958	0.800	119.8	71.6 - 133	
Permethrin	0.003	< 0.100		0.448	0.400	112.1	83.3 - 122	
Phosmet	0.000	< 0.100		0.441	0.400	110.3	83.8 - 121	
Piperonyl butoxide	0.000	< 1.000		2.254	2.000	112.7	71.9 - 134	
Prallethrin	0.008	< 0.200		0.855	0.800	106.9	78.7 - 126	
Propiconazole	0.001	< 0.200		0.863	0.800	107.8	86.4 - 117	
Propoxur	0.000	< 0.100		0.439	0.400	109.7	86.4 - 119	
Pyrethrins	0.003	< 0.500		0.310	0.284	109.1	68.0 - 126	
Pyridaben	0.004	< 0.100		0.471	0.400	117.6	89.8 - 167	
Spinosad	0.000	< 0.100		0.469	0.388	121.0	87.3 - 136	
Spiromesifen	0.008	< 0.100		0.428	0.400	107.0	75.0 - 130	
Spirotetramat	0.000	< 0.100		0.422	0.400	105.5	83.0 - 118	
Spiroxamine	0.000	< 0.100		0.902	0.800	112.8	77.6 - 133	
Tebuconazol	0.000	< 0.200		0.865	0.800	108.2	84.8 - 120	
Thiacloprid	0.000	< 0.100		0.443	0.400	110.7	87.0 - 118	
Thiamethoxam	0.014	< 0.100		0.413	0.400	103.3	77.5 - 124	
Trifloxystrobin	0.000	< 0.100		0.430	0.400	107.6	83.7 - 122	



Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662				Units: mg/Kg			Batch ID: 1909938			
Matrix Spike/Matrix Spike Duplicate Recoveries				Sample ID: 19-013071-0002						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	1.152	1.087	1.000	5.8	< 30	115.2	108.7	50 - 150	
Acequinocyl	0.000	4.833	4.394	4.000	9.5	< 30	120.8	109.9	50 - 150	
Acetamiprid	0.000	0.437	0.446	0.400	2.1	< 30	109.3	111.6	50 - 150	
Aldicarb	0.000	0.837	0.866	0.800	3.4	< 30	104.6	108.2	50 - 150	
Abamectin	0.000	1.100	1.106	1.000	0.6	< 30	110.0	110.6	50 - 150	
Azoxystrobin	0.000	0.426	0.452	0.400	5.8	< 30	106.6	113.0	50 - 150	
Bifenazate	0.000	0.452	0.455	0.400	0.7	< 30	113.0	113.9	50 - 150	
Bifenthrin	0.008	1.045	0.992	0.400	5.2	< 30	259.0	245.8	50 - 150	Q
Boscalid	0.000	0.833	0.852	0.800	2.2	< 30	104.1	106.5	50 - 150	
Carbaryl	0.000	0.420	0.423	0.400	0.6	< 30	105.0	105.7	50 - 150	
Carbofuran	0.000	0.422	0.454	0.400	7.3	< 30	105.4	113.5	50 - 150	
Chlorantraniliprol	0.000	0.380	0.380	0.400	0.1	< 30	95.0	94.9	50 - 150	
Chlorfenapyr	0.000	1.837	1.950	2.000	6.0	< 30	91.8	97.5	50 - 150	
Chlorpyrifos	0.000	0.285	0.311	0.400	8.8	< 30	71.2	77.7	50 - 150	
Clofentezine	0.000	0.431	0.436	0.400	1.3	< 30	107.7	109.1	50 - 150	
Cyfluthrin	0.021	2.405	2.605	2.000	8.0	< 30	119.2	129.2	30 - 150	
Cypermethrin	0.055	2.176	2.253	2.000	3.5	< 30	106.1	109.9	50 - 150	
Daminozide	0.000	1.436	1.465	2.000	2.0	< 30	71.8	73.3	30 - 150	
Diazinon	0.000	0.447	0.437	0.400	2.1	< 30	111.7	109.3	50 - 150	
Dichlorvos	0.000	2.259	2.247	2.000	0.5	< 30	112.9	112.4	50 - 150	
Dimethoat	0.000	0.428	0.446	0.400	4.3	< 30	106.9	111.6	50 - 150	
Ethoprophos	0.000	0.424	0.452	0.400	6.3	< 30	106.1	113.0	50 - 150	
Etofenprox	0.000	0.980	0.946	0.800	3.6	< 30	122.6	118.2	50 - 150	
Etoxazol	0.000	0.449	0.467	0.400	3.9	< 30	112.3	116.7	50 - 150	
Fenoxycarb	0.000	0.447	0.450	0.400	0.8	< 30	111.7	112.5	50 - 150	
Fenproxiomat	0.000	0.866	0.824	0.800	4.9	< 30	108.2	103.0	50 - 150	
Fipronil	0.008	0.928	0.927	0.800	0.1	< 30	115.0	114.9	50 - 150	
Flonicamid	0.000	1.039	1.044	1.000	0.5	< 30	103.9	104.4	50 - 150	
Fludioxonil	0.000	0.781	0.903	0.800	14.4	< 30	97.6	112.8	50 - 150	
Hexythiazox	0.002	1.088	1.129	1.000	3.7	< 30	108.6	112.7	50 - 150	
Imazalil	0.000	0.449	0.429	0.400	4.5	< 30	112.1	107.2	50 - 150	
Imidacloprid	0.000	0.867	0.882	0.800	1.7	< 30	108.4	110.2	50 - 150	
Kresoxim-Methyl	0.000	0.835	0.794	0.800	5.0	< 30	104.3	99.3	50 - 150	
Malathion	0.000	0.453	0.476	0.400	5.1	< 30	113.2	119.1	50 - 150	
Metaxalyl	0.000	0.453	0.455	0.400	0.5	< 30	113.1	113.7	50 - 150	
Methiocarb	0.001	0.416	0.423	0.400	1.6	< 30	103.8	105.5	50 - 150	
Methomyl	0.002	0.779	0.826	0.800	5.8	< 30	97.2	103.0	50 - 150	
MGK 264	0.003	0.453	0.478	0.400	5.3	< 30	112.6	118.8	50 - 150	
Myclobutanil	0.000	0.423	0.449	0.400	5.9	< 30	105.9	112.3	50 - 150	
Naled	0.000	1.135	1.124	1.000	1.0	< 30	113.5	112.4	50 - 150	
Oxamyl	0.078	1.966	2.126	2.000	7.8	< 30	94.4	102.4	50 - 150	
Paclobutrazol	0.000	0.869	0.891	0.800	2.5	< 30	108.6	111.4	50 - 150	
Parathion Methyl	0.000	0.787	0.900	0.800	13.5	< 30	98.3	112.5	30 - 150	
Permethrin	0.000	0.487	0.477	0.400	2.1	< 30	121.8	119.3	50 - 150	
Phosmet	0.000	0.444	0.437	0.400	1.7	< 30	111.0	109.2	50 - 150	
Piperonyl butoxide	0.000	2.323	2.381	2.000	2.4	< 30	116.2	119.0	50 - 150	
Prallethrin	0.000	1.125	1.134	0.800	0.8	< 30	140.6	141.7	50 - 150	
Propiconazole	0.000	0.883	0.889	0.800	0.7	< 30	110.4	111.2	50 - 150	
Propoxur	0.000	0.429	0.447	0.400	4.1	< 30	107.3	111.8	50 - 150	
Pyrethrins	0.000	0.288	0.291	0.284	1.0	< 30	101.6	102.5	50 - 150	
Pyridaben	0.003	0.401	0.377	0.400	6.3	< 30	99.6	93.5	50 - 150	
Spinosad	0.000	0.465	0.487	0.388	4.7	< 30	119.8	125.6	50 - 150	
Spiromesifen	0.025	0.515	0.536	0.400	4.2	< 30	122.5	127.9	50 - 150	
Spirotetramat	0.000	0.410	0.435	0.400	6.0	< 30	102.5	108.9	50 - 150	
Spiroxamine	0.000	0.855	0.890	0.800	4.0	< 30	106.9	111.3	50 - 150	
Tebuconazol	0.000	0.841	0.841	0.800	0.0	< 30	105.1	105.1	50 - 150	
Thiacloprid	0.000	0.436	0.444	0.400	1.8	< 30	109.1	111.1	50 - 150	
Thiamethoxam	0.011	0.402	0.416	0.400	3.4	< 30	97.6	101.1	50 - 150	
Trifloxystrobin	0.000	0.388	0.398	0.400	1.7	< 30	96.9	99.5	50 - 150	



Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6

Batch ID: 1910053

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00944	0.01	%	94.4	85 - 115	Acceptable	
CBDV	0.00997	0.01	%	99.7	85 - 115	Acceptable	
CBD-A	0.00924	0.01	%	92.4	85 - 115	Acceptable	
CBG-A	0.00950	0.01	%	95.0	85 - 115	Acceptable	
CBG	0.00946	0.01	%	94.6	85 - 115	Acceptable	
CBD	0.00988	0.01	%	98.8	85 - 115	Acceptable	
THCV	0.0101	0.01	%	101	85 - 115	Acceptable	
THCVA	0.00948	0.01	%	94.8	85 - 115	Acceptable	
CBN	0.00974	0.01	%	97.4	85 - 115	Acceptable	
THC	0.00982	0.01	%	98.2	85 - 115	Acceptable	
D8THC	0.00933	0.01	%	93.3	85 - 115	Acceptable	
CBL	0.00950	0.01	%	95.0	85 - 115	Acceptable	
CBC	0.0104	0.01	%	104	85 - 115	Acceptable	
THCA	0.0101	0.01	%	101	85 - 115	Acceptable	
CBCA	0.0104	0.01	%	104	85 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	ND	0.003	%	< 0.003	Acceptable	
CBDV	ND	0.003	%	< 0.003	Acceptable	
CBD-A	ND	0.003	%	< 0.003	Acceptable	
CBG-A	ND	0.003	%	< 0.003	Acceptable	
CBG	ND	0.003	%	< 0.003	Acceptable	
CBD	ND	0.003	%	< 0.003	Acceptable	
THCV	ND	0.003	%	< 0.003	Acceptable	
THCVA	ND	0.003	%	< 0.003	Acceptable	
CBN	ND	0.003	%	< 0.003	Acceptable	
THC	ND	0.003	%	< 0.003	Acceptable	
D8THC	ND	0.003	%	< 0.003	Acceptable	
CBL	ND	0.003	%	< 0.003	Acceptable	
CBC	ND	0.003	%	< 0.003	Acceptable	
THCA	ND	0.003	%	< 0.003	Acceptable	
CBCA	ND	0.003	%	< 0.003	Acceptable	

Abbreviations

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation

Units of Measure:

% - Percent



Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

J AOAC 2015 V98-6				Batch ID: 1910053				
Sample Duplicate				Sample ID: 19-012880-0001				
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	0.00553	0.00542	0.003	%	2.01	< 20	Acceptable	
CBD-A	0.0208	0.0208	0.003	%	0	< 20	Acceptable	
CBG-A	0.00400	0.00392	0.003	%	2.02	< 20	Acceptable	
CBG	0.0943	0.0946	0.003	%	0.318	< 20	Acceptable	
CBD	0.958	0.979	0.003	%	2.17	< 20	Acceptable	
THCV	ND	ND	0.003	%	0	< 20	Acceptable	
THCVA	ND	ND	0.003	%	0	< 20	Acceptable	
CBN	ND	ND	0.003	%	0	< 20	Acceptable	
THC	0.0766	0.0766	0.003	%	0	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.0616	0.0617	0.003	%	0.162	< 20	Acceptable	
THCA	ND	ND	0.003	%	0	< 20	Acceptable	
CBCA	0.00466	0.00412	0.003	%	12.3	< 20	Acceptable	

Abbreviations

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

Units of Measure:

% - Percent



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.