



Product identity: 750MG Peanut Butter Pet Drops HDTO 1350
Laboratory ID: 19-012165-0001

Summary

Potency:

Analyte	Result	Limits	Units	
CBC†	0.0305		%	CBD-Total (%) 2.53%
CBD	2.53		%	
CBDV†	0.0112		%	CBD-Total per 1ml 27.8 mg/1ml
CBG†	0.00941		%	
CBN	0.0163		%	CBD-Total per 30ml 835 mg/30ml
				THC-Total (%) < LOQ
Analyte per 1ml	Result	Limits	Units	
CBC per 1ml†	0.336		mg/1ml	
CBD per 1ml	27.8		mg/1ml	
CBDV per 1ml†	0.123		mg/1ml	
CBG per 1ml†	0.104		mg/1ml	
CBN per 1ml	0.179		mg/1ml	
Analyte per 30ml	Result	Limits	Units	
CBC per 30ml†	10.1		mg/30ml	
CBD per 30ml	835		mg/30ml	
CBDV per 30ml†	3.70		mg/30ml	
CBG per 30ml†	3.11		mg/30ml	
CBN per 30ml	5.38		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 Peanut Butter Pet Drops HDTO 1350

Client/Metric ID: .

Sample Date: 10/04/19 15:00

Laboratory ID: 19-012165-0001

Relinquished by: Alex Grabow

Temp: 24.2 °C

Serving Size #1: 1.1 g

Weight Received: 32 g

Serving Size #2: 33 g

Sample Results

Potency		Batch: 1909223					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	0.0305		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBC-Total [†]	0.0305		%	0.0060	10/17/19	J AOAC 2015 V98-6	
CBD	2.53		%	0.0322	10/09/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBD-Total	2.53		%	0.0350	10/17/19	J AOAC 2015 V98-6	
CBDV [†]	0.0112		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBDV-Total [†]	0.0112		%	0.0060	10/17/19	J AOAC 2015 V98-6	
CBG [†]	0.00941		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBG-Total [†]	0.00941		%	0.0060	10/17/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
CBN	0.0163		%	0.0032	10/09/19	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
THC-Total	< LOQ		%	0.0060	10/17/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0032	10/09/19	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0060	10/17/19	J AOAC 2015 V98-6	

Potency per 1ml		Batch: 1909223					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml [†]	0.336		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



Potency per 1ml Batch: 1909223

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC-Total per 1ml [†]	0.336		mg/1ml	0.0689	10/17/19	J AOAC 2015 V98-6	
CBD per 1ml	27.8		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	27.8		mg/1ml	0.0689	10/17/19	J AOAC 2015 V98-6	
CBDV per 1ml [†]	0.123		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml [†]	0.123		mg/1ml	0.0684	10/17/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	0.104		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBG-Total per 1ml [†]	0.104		mg/1ml	0.0689	10/17/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
CBN per 1ml	0.179		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	0.0689	10/17/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0367	10/17/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0684	10/17/19	J AOAC 2015 V98-6	

Potency per 30ml Batch: 1909223

Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml [†]	10.1		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBC-A per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBC-Total per 30ml [†]	10.1		mg/30ml	2.07	10/17/19	J AOAC 2015 V98-6	
CBD per 30ml	835		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	835		mg/30ml	2.07	10/17/19	J AOAC 2015 V98-6	
CBDV per 30ml [†]	3.70		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBDV-A per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml [†]	3.70		mg/30ml	2.05	10/17/19	J AOAC 2015 V98-6	
CBG per 30ml [†]	3.11		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBG-A per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBG-Total per 30ml [†]	3.11		mg/30ml	2.07	10/17/19	J AOAC 2015 V98-6	
CBL per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
CBN per 30ml	5.38		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	2.07	10/17/19	J AOAC 2015 V98-6	
THCV per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
THCV-A per 30ml [†]	< LOQ		mg/30ml	1.10	10/17/19	J AOAC 2015 V98-6	
THCV-Total per 30ml [†]	< LOQ		mg/30ml	2.05	10/17/19	J AOAC 2015 V98-6	

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	1909003	10/09/19	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	1909002	10/09/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1909002	10/09/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1909001	10/09/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1909001	10/09/19	AOAC 2014.05 (RAPID)	X
Salmonella spp.	Negative		/10g		1909008	10/08/19	AOAC 2016.01	X

Solvents		Method EPA5021A				Units µg/g	Batch 1909107	Analyze 10/09/19 01:12 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	



Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1909042 Analyze 10/08/19 09:48 AM											
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		Fonicamid	< 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							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes		
Arsenic	< LOQ		mg/kg	0.0442	1909251	10/11/19	AOAC 2013.06 (mod.)	X		
Cadmium	< LOQ		mg/kg	0.0442	1909251	10/11/19	AOAC 2013.06 (mod.)	X		
Lead	< LOQ		mg/kg	0.0442	1909251	10/11/19	AOAC 2013.06 (mod.)	X		
Mercury	< LOQ		mg/kg	0.0221	1909251	10/11/19	AOAC 2013.06 (mod.)	X		



Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aflatoxin B1†	< LOQ		µg/kg	5.00	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Aflatoxin B2†	< LOQ		µg/kg	5.00	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Aflatoxin G1†	< LOQ		µg/kg	5.00	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Aflatoxin G2†	< LOQ		µg/kg	5.00	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Deoxynivalenol†	< LOQ		µg/kg	200	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Fumonisin B1†	< LOQ		µg/kg	200	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Fumonisin B2†	< LOQ		µg/kg	400	1909380	10/16/19	AOAC 2007.01 & EN 15662	
HT2-Toxin†	< LOQ		µg/kg	40.0	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Nivalenol†	< LOQ		µg/kg	400	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Ochratoxin A†	< LOQ		µg/kg	5.00	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Ochratoxin B†	< LOQ		µg/kg	2.00	1909380	10/16/19	AOAC 2007.01 & EN 15662	
T2-Toxin†	< LOQ		µg/kg	20.0	1909380	10/16/19	AOAC 2007.01 & EN 15662	
Zearalenone†	< LOQ		µg/kg	200	1909380	10/16/19	AOAC 2007.01 & EN 15662	

This sample was selected and submitted by the client. Test results are representative of the individual sample.



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: 1909042			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	0.000	< 0.200		1.081	1.000	108.1	74.4 - 130	
Acequinocyl	0.023	< 1.000		3.940	4.000	98.5	87.7 - 118	
Acetamiprid	0.001	< 0.100		0.404	0.400	101.0	90.1 - 115	
Aldicarb	0.011	< 0.200		0.843	0.800	105.4	88.7 - 116	
Abamectin	0.017	< 0.288		0.990	1.000	99.0	82.6 - 122	
Azoxystrobin	0.005	< 0.100		0.430	0.400	107.6	83.4 - 125	
Bifenazate	0.000	< 0.100		0.413	0.400	103.2	89.1 - 118	
Bifenthrin	0.096	< 0.100		0.368	0.400	91.9	82.5 - 119	
Boscalid	0.010	< 0.100		0.830	0.800	103.8	78.9 - 127	
Carbaryl	0.000	< 0.100		0.438	0.400	109.5	86.7 - 120	
Carbofuran	0.000	< 0.100		0.414	0.400	103.5	88.9 - 121	
Chlorantraniliprol	0.000	< 0.100		0.280	0.400	69.9	69.7 - 128	
Chlorfenapyr	0.142	< 1.000		1.795	2.000	89.7	72.0 - 131	
Chlorpyrifos	0.040	< 0.100		0.412	0.400	103.1	84.2 - 123	
Clofentezine	0.010	< 0.100		0.389	0.400	97.2	84.0 - 115	
Cyfluthrin	0.242	< 1.000		2.111	2.000	105.6	83.2 - 120	
Cypermethrin	0.000	< 1.000		2.028	2.000	101.4	89.1 - 118	
Daminozide	0.000	< 1.000		1.525	2.000	76.2	81.0 - 119	Q6
Diazinon	0.000	< 0.100		0.395	0.400	98.8	87.8 - 118	
Dichlorvos	0.000	< 0.500		1.997	2.000	99.8	82.1 - 117	
Dimethoat	0.007	< 0.100		0.412	0.400	103.1	88.5 - 116	
Ethoprophos	0.000	< 0.100		0.381	0.400	95.4	83.5 - 120	
Etofenprox	0.000	< 0.100		0.843	0.800	105.4	90.2 - 123	
Etoxazol	0.000	< 0.100		0.430	0.400	107.6	85.5 - 120	
Fenoxycarb	0.002	< 0.100		0.410	0.400	102.4	84.9 - 121	
Fenpyroximat	0.000	< 0.100		0.854	0.800	106.7	87.1 - 124	
Fipronil	0.011	< 0.100		0.880	0.800	110.0	81.9 - 126	
Flonicamid	0.022	< 0.400		1.018	1.000	101.8	82.2 - 119	
Fludioxonil	0.000	< 0.100		0.816	0.800	102.0	87.4 - 128	
Hexythiazox	0.000	< 0.400		0.991	1.000	99.1	90.6 - 120	
Imazalil	0.003	< 0.100		0.419	0.400	104.7	87.5 - 124	
Imidacloprid	0.000	< 0.200		0.812	0.800	101.5	84.5 - 119	
Kresoxim-Methyl	0.000	< 0.100		0.846	0.800	105.8	91.2 - 115	
Malathion	0.004	< 0.100		0.394	0.400	98.6	85.8 - 122	
Metaxyl	0.000	< 0.100		0.380	0.400	94.9	87.3 - 119	
Methiocarb	0.000	< 0.100		0.418	0.400	104.6	81.4 - 122	
Methomyl	0.019	< 0.200		0.816	0.800	102.0	76.1 - 120	
MGK 264	0.000	< 0.100		0.408	0.400	102.0	87.3 - 120	
Myclobutanil	0.022	< 0.100		0.391	0.400	97.8	89.9 - 116	
Naled	0.000	< 0.200		1.008	1.000	100.8	87.6 - 122	
Oxamyl	0.024	< 0.400		2.062	2.000	103.1	80.8 - 117	
Pachobutrazol	0.000	< 0.200		0.796	0.800	99.5	87.0 - 122	
Parathion Methyl	0.000	< 0.200		0.748	0.800	93.5	72.4 - 134	
Permethrin	0.000	< 0.100		0.324	0.400	81.1	86.3 - 120	Q6
Phosmet	0.004	< 0.100		0.405	0.400	101.2	90.3 - 117	
Piperonyl butoxide	0.000	< 1.000		2.151	2.000	107.6	88.3 - 133	
Prallethrin	0.009	< 0.200		0.836	0.800	104.6	89.0 - 120	
Propiconazole	0.011	< 0.200		0.798	0.800	99.8	92.2 - 113	
Propoxur	0.000	< 0.100		0.403	0.400	100.8	86.6 - 120	
Pyrethrins	0.199	< 0.500		0.309	0.284	108.7	79.5 - 140	
Pyridaben	0.000	< 0.100		0.497	0.400	124.2	83.0 - 138	
Spinosad	0.000	< 0.100		0.412	0.388	106.2	94.4 - 122	
Spiromesifen	0.027	< 0.100		0.425	0.400	106.2	85.3 - 120	
Spirotetramat	0.000	< 0.100		0.426	0.400	106.4	80.9 - 123	
Spiroxamine	0.000	< 0.100		0.853	0.800	106.6	86.3 - 131	
Tebuconazol	0.000	< 0.200		0.805	0.800	100.6	87.6 - 120	
Thiacloprid	0.000	< 0.100		0.428	0.400	107.1	89.6 - 119	
Thiamethoxam	0.013	< 0.100		0.423	0.400	105.7	80.9 - 122	
Trifloxystrobin	0.000	< 0.100		0.405	0.400	101.3	90.0 - 118	

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



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: 1909042				
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 19-012165-0001									
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes	
Acephate	0.000	0.841	0.859	1.000	2.1	< 30	84.1	85.9	50 - 150		
Acequinocyl	0.000	3.572	3.652	4.000	2.2	< 30	89.3	91.3	50 - 150		
Acetamiprid	0.001	0.410	0.407	0.400	0.7	< 30	102.3	101.6	50 - 150		
Aldicarb	0.010	0.851	0.978	0.800	13.9	< 30	105.0	121.0	50 - 150		
Abamectin	0.015	1.372	1.350	1.000	1.6	< 30	135.7	133.5	50 - 150		
Azoxystrobin	0.004	0.426	0.441	0.400	3.6	< 30	105.4	109.3	50 - 150		
Bifenazate	0.000	0.423	0.427	0.400	0.7	< 30	105.9	106.7	50 - 150		
Bifenthrin	0.019	1.131	1.220	0.400	7.5	< 30	278.1	300.3	50 - 150	Q	
Boscalid	0.006	0.832	0.817	0.800	1.9	< 30	103.3	101.4	50 - 150		
Carbaryl	0.000	0.403	0.429	0.400	6.3	< 30	100.7	107.2	50 - 150		
Carbofuran	0.000	0.409	0.438	0.400	6.9	< 30	102.1	109.5	50 - 150		
Chlorantraniliprol	0.000	0.282	0.270	0.400	4.3	< 30	70.4	67.5	50 - 150		
Chlorfenapyr	0.186	2.008	2.289	2.000	13.1	< 30	91.1	105.1	50 - 150		
Chlorpyrifos	0.000	0.650	0.766	0.400	16.5	< 30	162.4	191.6	50 - 150	Q	
Clofentezine	0.004	0.458	0.515	0.400	11.7	< 30	113.6	127.9	50 - 150		
Cyfluthrin	0.182	3.295	3.372	2.000	2.3	< 30	155.7	159.5	30 - 150	Q1	
Cypermethrin	0.000	1.882	1.911	2.000	1.5	< 30	94.1	95.5	50 - 150		
Daminozide	0.000	1.502	1.581	2.000	5.1	< 30	75.1	79.1	30 - 150		
Diazinon	0.000	0.450	0.454	0.400	0.9	< 30	112.6	113.6	50 - 150		
Dichlorvos	0.000	2.123	2.164	2.000	1.9	< 30	106.2	108.2	50 - 150		
Dimethoat	0.006	0.401	0.422	0.400	5.1	< 30	98.7	103.9	50 - 150		
Ethoprophos	0.000	0.415	0.426	0.400	2.8	< 30	103.7	106.6	50 - 150		
Etofenprox	0.000	0.846	0.886	0.800	4.7	< 30	105.7	110.7	50 - 150		
Etoxazol	0.000	0.451	0.438	0.400	3.0	< 30	112.7	109.4	50 - 150		
Fenoxycarb	0.002	0.403	0.390	0.400	3.2	< 30	100.3	97.1	50 - 150		
Fenproximat	0.000	0.743	0.710	0.800	4.6	< 30	92.9	88.7	50 - 150		
Fipronil	0.006	1.059	1.011	0.800	4.7	< 30	131.7	125.6	50 - 150		
Flonicamid	0.017	0.980	1.021	1.000	4.0	< 30	96.3	100.3	50 - 150		
Fludioxonil	0.000	0.826	0.696	0.800	17.0	< 30	103.2	87.1	50 - 150		
Hexythiazox	0.000	2.512	2.505	1.000	0.3	< 30	251.2	250.5	50 - 150	Q1	
Imazalil	0.006	0.358	0.378	0.400	5.5	< 30	88.0	93.1	50 - 150		
Imidacloprid	0.006	0.799	0.847	0.800	5.8	< 30	99.1	105.0	50 - 150		
Kresoxim-Methyl	0.000	0.839	0.908	0.800	7.8	< 30	104.9	113.4	50 - 150		
Malathion	0.002	0.421	0.454	0.400	7.4	< 30	104.7	112.9	50 - 150		
Metaxyl	0.000	0.427	0.433	0.400	1.3	< 30	106.8	108.2	50 - 150		
Methiocarb	0.000	0.424	0.446	0.400	4.9	< 30	106.0	111.4	50 - 150		
Methomyl	0.016	0.767	0.838	0.800	8.9	< 30	93.8	102.7	50 - 150		
MKG 264	0.000	0.465	0.458	0.400	1.5	< 30	116.2	114.6	50 - 150		
Myclobutanil	0.008	0.399	0.408	0.400	2.2	< 30	97.9	100.1	50 - 150		
Naled	0.000	1.034	1.154	1.000	10.9	< 30	103.4	115.4	50 - 150		
Oxamyl	0.021	2.040	2.059	2.000	0.9	< 30	101.0	101.9	50 - 150		
Pacllobutrazol	0.005	0.844	0.883	0.800	4.4	< 30	105.0	109.8	50 - 150		
Parathion Methyl	0.000	0.957	0.822	0.800	15.2	< 30	119.6	102.7	30 - 150		
Permethrin	0.000	0.444	0.447	0.400	0.6	< 30	111.1	111.8	50 - 150		
Phosmet	0.004	0.404	0.409	0.400	1.3	< 30	100.0	101.4	50 - 150		
Piperonyl butoxide	0.000	2.280	2.264	2.000	0.7	< 30	114.0	113.2	50 - 150		
Prallethrin	0.000	1.173	1.178	0.800	0.4	< 30	146.6	147.3	50 - 150		
Propiconazole	0.000	0.892	0.871	0.800	2.3	< 30	111.4	108.9	50 - 150		
Propoxur	0.000	0.404	0.405	0.400	0.2	< 30	101.1	101.3	50 - 150		
Pyrethrins	0.043	0.381	0.345	0.284	9.9	< 30	118.9	106.3	50 - 150		
Pyridaben	0.000	0.426	0.437	0.400	2.5	< 30	106.5	109.2	50 - 150		
Spinosad	0.000	0.384	0.387	0.388	0.8	< 30	98.9	99.7	50 - 150		
Spiromesifen	0.000	0.589	0.573	0.400	2.8	< 30	147.2	143.2	50 - 150		
Spirotetramat	0.000	0.361	0.358	0.400	0.8	< 30	90.1	89.5	50 - 150		
Spiroxamine	0.000	0.776	0.809	0.800	4.1	< 30	97.1	101.1	50 - 150		
Tebuconazol	0.000	0.808	0.799	0.800	1.1	< 30	101.0	99.9	50 - 150		
Thiacloprid	0.000	0.430	0.438	0.400	1.8	< 30	107.5	109.5	50 - 150		
Thiamethoxam	0.011	0.383	0.416	0.400	8.2	< 30	92.8	101.0	50 - 150		
Trifloxystrobin	0.000	0.465	0.466	0.400	0.2	< 30	116.2	116.5	50 - 150		

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.



Laboratory Quality Control Results

EPA 5021				Batch ID: 1909107					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		1160	1200	µg/g	96.7	70 - 130	
Isobutane	ND	< 200		1550	1570	µg/g	98.7	70 - 130	
Butane	ND	< 200		1560	1570	µg/g	99.4	70 - 130	
2,2-dimethylpropane	ND	< 200		1950	1980	µg/g	98.5	70 - 130	
Methanol	ND	< 200		2090	2410	µg/g	86.7	70 - 130	
Ethylene Oxide	ND	< 30		113	119	µg/g	95.0	70 - 130	
2-Methylbutane	ND	< 200		2120	2390	µg/g	88.7	70 - 130	
n-Pentane	ND	< 200		2110	2410	µg/g	87.6	70 - 130	
Ethanol	ND	< 200		2100	2410	µg/g	87.1	70 - 130	
Ethyl Ether	ND	< 200		2080	2410	µg/g	86.3	70 - 130	
2,2-Dimethylbutane	ND	< 30		556	643	µg/g	86.5	70 - 130	
Acetone	ND	< 200		2060	2410	µg/g	85.5	70 - 130	
Isopropyl alcohol	ND	< 200		2100	2410	µg/g	87.1	70 - 130	
Acetonitrile	ND	< 100		804	968	µg/g	83.1	70 - 130	
2,3-Dimethylbutane	ND	< 30		312	326	µg/g	95.7	70 - 130	
Dichloromethane	ND	< 200		823	974	µg/g	84.5	70 - 130	
2-Methylpentane	ND	< 30		303	321	µg/g	94.4	70 - 130	
3-Methylpentane	ND	< 30		271	316	µg/g	85.8	70 - 130	
Hexane	ND	< 30		271	319	µg/g	85.0	70 - 130	
Ethyl acetate	ND	< 200		2040	2400	µg/g	85.0	70 - 130	
2-Butanol	ND	< 200		2080	2410	µg/g	86.3	70 - 130	
Tetrahydrofuran	ND	< 100		824	964	µg/g	85.5	70 - 130	
Cyclohexane	ND	< 200		2060	2400	µg/g	85.8	70 - 130	
Benzene	ND	< 1		33.9	40	µg/g	84.8	70 - 130	
Isopropyl Acetate	ND	< 200		2020	2400	µg/g	84.2	70 - 130	
Heptane	ND	< 200		2010	2390	µg/g	84.1	70 - 130	
1,4-Dioxane	ND	< 100		803	982	µg/g	81.8	70 - 130	
2-Ethoxyethanol	ND	< 30		2000	2410	µg/g	83.0	70 - 130	
Ethylene Glycol	ND	< 200		934	989	µg/g	94.4	70 - 130	
Toluene	ND	< 200		802	964	µg/g	83.2	70 - 130	
Ethylbenzene	ND	< 200		1540	1930	µg/g	79.8	70 - 130	
m,p-Xylene	ND	< 200		1540	1930	µg/g	79.8	70 - 130	
o-Xylene	ND	< 200		1530	1920	µg/g	79.7	70 - 130	
Cumene	ND	< 30		260	346	µg/g	75.1	70 - 130	



QC - Sample Duplicate Sample ID: 19-012165-0001

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



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: 1909223**

Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits			Evaluation	Notes
CBDV-A	0.00963		0.01	%	96.3	85	-	115	Acceptable
CBDV	0.0107		0.01	%	107	85	-	115	Acceptable
CBD-A	0.00962		0.01	%	96.2	85	-	115	Acceptable
CBG-A	0.00934		0.01	%	93.4	85	-	115	Acceptable
CBG	0.00998		0.01	%	99.8	85	-	115	Acceptable
CBD	0.0104		0.01	%	104	85	-	115	Acceptable
THCV	0.0101		0.01	%	101	85	-	115	Acceptable
THCVA	0.00996		0.01	%	99.6	85	-	115	Acceptable
CBN	0.0103		0.01	%	103	85	-	115	Acceptable
THC	0.0113		0.01	%	113	85	-	115	Acceptable
D8THC	0.00916		0.01	%	91.6	85	-	115	Acceptable
CBL	0.00932		0.01	%	93.2	85	-	115	Acceptable
CBC	0.00983		0.01	%	98.3	85	-	115	Acceptable
THCA	0.0104		0.01	%	104	85	-	115	Acceptable
CBCA	0.0105		0.01	%	105	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: 1909223						
Sample Duplicate		Sample ID: 19-012045-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBDV	ND	ND	0.003	%	0	< 20	Acceptable	
CBD-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG	ND	ND	0.003	%	0	< 20	Acceptable	
CBD	0.360	0.358	0.003	%	0.557	< 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	ND	ND	0.003	%	0	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	ND	ND	0.003	%	0	< 20	Acceptable	
THCA	ND	ND	0.003	%	0	< 20	Acceptable	
CBCA	ND	ND	0.003	%	0	< 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.