



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

Product identity: Social 1000mg Drops Unflavored HDTO-1223
Laboratory ID: 19-009648-0001

Summary

Potency:

Analyte	Result	Limits	Units	LOQ	
CBD	3.44		%	0.03	CBD-Total (%) 3.44 %
CBDV†	0.00868		%	0.00	
Analyte per 1ml	Result	Limits	Units	LOQ	
CBD per 1ml	34.5		mg/1ml	0.03	CBD-Total per 1ml 34.5 mg/1ml
CBDV per 1ml†	0.0871		mg/1ml	0.03	
Analyte per 30ml	Result	Limits	Units	LOQ	
CBD per 30ml	1040		mg/30ml	1.00	CBD-Total per 30ml 1040 mg/30ml
CBDV per 30ml†	2.61		mg/30ml	1.00	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: Social 1000mg Drops Unflavored HDTO-1223

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-009648-0001

Relinquished by: Brian Ramos

Temp: 23 °C

Serving Size #2: 30.1 g

Serving Size #1: 1.003 g

Sample Results

Potency		Batch: 1907384					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBC-Total [†]	0.000		%	0.0062	08/19/19	J AOAC 2015 V98-6	
CBD	3.44		%	0.0329	08/14/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBD-Total	3.44		%	0.0357	08/19/19	J AOAC 2015 V98-6	
CBDV [†]	0.00868		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBDV-A [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBDV-Total [†]	0.00868		%	0.0061	08/19/19	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBG-Total [†]	< LOQ		%	0.0061	08/19/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
CBN	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
Δ8-THC [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
Δ9-THC	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
THC-Total	0.000		%	0.0062	08/19/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0033	08/14/19	J AOAC 2015 V98-6	
THCV-Total [†]	0.000		%	0.0061	08/19/19	J AOAC 2015 V98-6	

Potency per 1ml		Batch: 1907384					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBC-A per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	



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Potency per 1ml		Batch: 1907384					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC-Total per 1ml [†]	< LOQ		mg/1ml	0.0628	08/19/19	J AOAC 2015 V98-6	
CBD per 1ml	34.5		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	34.5		mg/1ml	0.0628	08/19/19	J AOAC 2015 V98-6	
CBDV per 1ml [†]	0.0871		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBDV-A per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBDV-Total per 1ml [†]	0.0871		mg/1ml	0.0624	08/19/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBG-Total per 1ml [†]	< LOQ		mg/1ml	0.0628	08/19/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
CBN per 1ml	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
Δ8-THC per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ		mg/1ml	0.0628	08/19/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ		mg/1ml	0.0334	08/19/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ		mg/1ml	0.0624	08/19/19	J AOAC 2015 V98-6	

Potency per 30ml		Batch: 1907384					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBC-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBC-Total per 30ml [†]	< LOQ		mg/30ml	1.88	08/19/19	J AOAC 2015 V98-6	
CBD per 30ml	1040		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	1040		mg/30ml	1.88	08/19/19	J AOAC 2015 V98-6	
CBDV per 30ml [†]	2.61		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBDV-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBDV-Total per 30ml [†]	2.61		mg/30ml	1.87	08/19/19	J AOAC 2015 V98-6	
CBG per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBG-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBG-Total per 30ml [†]	< LOQ		mg/30ml	1.88	08/19/19	J AOAC 2015 V98-6	
CBL per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
CBN per 30ml	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
Δ8-THC per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
Δ9-THC per 30ml	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	1.88	08/19/19	J AOAC 2015 V98-6	
THCV per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	J AOAC 2015 V98-6	
THCV-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/19/19	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.



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Potency per 30ml		Batch: 1907384					
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
THCV-Total per 30ml ¹	< LOQ		mg/30ml	1.87	08/19/19	J AOAC 2015 V98-6	

Solvents						Method EPA5021A						Units µg/g		Batch 1907399		Analyze 08/16/19 01:32 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 1907330		Analyze 08/14/19 06:46 PM				
Analyte	Result	Limits	LOQ	Status	Notes	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/1g = Milligram per 1g

mg/30.1g = Milligram per 30.1g

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager



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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record 19-009648

ORELAP ID: OR100028

Company: Sentia Wellness		Analysis Requested							Purchase Order Number: _____			
Contact: Erin Harbacek		Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals	Project Number: _____		
Address: 3931 NE Columbia Blvd										Project Name: _____		
Email: erin.harbacek@sentiawellness.com									<input type="checkbox"/> Report Instructions: <input type="checkbox"/> Send to State - METRC <input type="checkbox"/> Email Final Results: <input type="checkbox"/> Fax Final Results <input type="checkbox"/> Cash/Check/CC/Net 30 Other: _____			
Phone: 785-280-1576 Fax: _____									Matrix	Weight	Comments	Cont #'s
Processor's License: _____									Drops	2g	% per serving (1ml), serving per container	
Field ID	Date/Time Collected											
3 Social 750mg Drops Unflavored	8/13/19											
HDTO-1225												
Collected By:		Relinquished By:		Date	Time	Received By:		Date	Time	Labs Use Only:		
<input checked="" type="checkbox"/> Standard 5 day <input type="checkbox"/> Rush (1.5 x Standard) <input type="checkbox"/> Priority Rush (2 x Standard) Ask About Availability		Harald Soltvedt		8/13/2019	2:29pm	<i>[Signature]</i>		8.13.19	1445	Client Alias: _____		
		<i>[Signature]</i>		8.13.19	1503	<i>[Signature]</i>		8.13.19	1503	Order Number: _____		
										<input type="checkbox"/> Proper Container <input type="checkbox"/> Sample Condition <input type="checkbox"/> Temperature 23.0 c <input type="checkbox"/> Shipped Via: _____		
										Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No		

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM

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.



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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: 1907330				
Method Blank			Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND	< 0.200		1.010	1.000	101.0	70 - 130	
Acequinocyl	ND	< 1.000		3.830	4.000	95.8	70 - 130	
Acetamiprid	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Aldicarb	ND	< 0.200		0.760	0.800	95.0	70 - 130	
Abamectin	ND	< 0.288		1.020	1.000	102.0	70 - 130	
Azoxystrobin	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Bifenazate	ND	< 0.100		0.399	0.400	99.8	70 - 130	
Bifenthrin	ND	< 0.100		0.377	0.400	94.3	70 - 130	
Boscalid	ND	< 0.100		0.696	0.800	87.0	70 - 130	
Carbaryl	ND	< 0.100		0.376	0.400	94.0	70 - 130	
Carbofuran	ND	< 0.100		0.400	0.400	100.0	70 - 130	
Chlorantraniliprol	ND	< 0.100		0.331	0.400	82.8	70 - 130	
Chlorfenapyr	ND	< 1.000		1.760	2.000	88.0	70 - 130	
Chlorpyrifos	ND	< 0.100		0.382	0.400	95.5	70 - 130	
Clofentezine	ND	< 0.100		0.382	0.400	95.5	70 - 130	
Cyfluthrin	ND	< 1.000		2.070	2.000	103.5	30 - 150	
Cypermethrin	ND	< 1.000		1.980	2.000	99.0	70 - 130	
Daminozide	ND	< 1.000		1.820	2.000	91.0	30 - 150	
Diazinon	ND	< 0.100		0.397	0.400	99.3	70 - 130	
Dichlorvos	ND	< 0.500		1.890	2.000	94.5	70 - 130	
Dimethoat	ND	< 0.100		0.391	0.400	97.8	70 - 130	
Ethoprophos	ND	< 0.100		0.405	0.400	101.3	70 - 130	
Etofenprox	ND	< 0.100		0.838	0.800	104.8	70 - 130	
Etoxazol	ND	< 0.100		0.381	0.400	95.3	70 - 130	
Fenoxycarb	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Fenpyroximat	ND	< 0.100		0.809	0.800	101.1	70 - 130	
Fipronil	ND	< 0.100		0.774	0.800	96.8	70 - 130	
Flonicamid	ND	< 0.400		0.926	1.000	92.6	70 - 130	
Fludioxonil	ND	< 0.100		0.826	0.800	103.3	70 - 130	
Hexythiazox	ND	< 0.400		0.972	1.000	97.2	70 - 130	
Imazalil	ND	< 0.100		0.406	0.400	101.5	70 - 130	
Imidacloprid	ND	< 0.200		0.782	0.800	97.8	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.787	0.800	98.4	70 - 130	
Malathion	ND	< 0.100		0.416	0.400	104.0	70 - 130	
Metaxyl	ND	< 0.100		0.395	0.400	98.8	70 - 130	
Methiocarb	ND	< 0.100		0.384	0.400	96.0	70 - 130	
Methomyl	ND	< 0.200		0.678	0.800	84.8	70 - 130	
MGK 264	ND	< 0.100		0.398	0.400	99.5	70 - 130	
Myclobutanil	ND	< 0.100		0.393	0.400	98.3	70 - 130	
Naled	ND	< 0.200		1.030	1.000	103.0	70 - 130	
Oxamyl	ND	< 0.400		1.770	2.000	88.5	70 - 130	
Paclotrazol	ND	< 0.200		0.802	0.800	100.3	70 - 130	
Parathion Methyl	ND	< 0.200		0.847	0.800	105.9	30 - 150	
Permethrin	ND	< 0.100		0.389	0.400	97.3	70 - 130	
Phosmet	ND	< 0.100		0.392	0.400	98.0	70 - 130	
Piperonyl butoxide	ND	< 1.000		2.030	2.000	101.5	70 - 130	
Prallethrin	ND	< 0.200		0.796	0.800	99.5	70 - 130	
Propiconazole	ND	< 0.200		0.771	0.800	96.4	70 - 130	
Propoxur	ND	< 0.100		0.379	0.400	94.8	70 - 130	
Pyrethrins	ND	< 0.500		0.300	0.284	105.6	70 - 130	
Pyridaben	ND	< 0.100		0.414	0.400	103.5	70 - 130	
Spinosad	ND	< 0.100		0.410	0.388	105.7	70 - 130	
Spiromesifen	ND	< 0.100		0.377	0.400	94.3	70 - 130	
Spirotetramat	ND	< 0.100		0.407	0.400	101.8	70 - 130	
Spiroxamine	ND	< 0.100		0.847	0.800	105.9	70 - 130	
Tabuconazol	ND	< 0.200		0.774	0.800	96.8	70 - 130	
Thiacloprid	ND	< 0.100		0.405	0.400	101.3	70 - 130	
Thiamethoxam	ND	< 0.100		0.351	0.400	87.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.388	0.400	97.0	70 - 130	

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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: 1907330					
Matrix Spike/Matrix Spike Duplicate Recoveries					Sample ID: 19-009583-0002						
Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS % Rec	MSD % Rec	Limits	Notes		
Acephate	0.000	1.120	1.050	1.000	6.5	< 30	112.0	105.0	50 - 150		
Acequinocyl	0.000	4.620	4.880	4.000	5.5	< 30	115.5	122.0	50 - 150		
Acetamiprid	0.000	0.397	0.396	0.400	0.3	< 30	99.3	99.0	50 - 150		
Aldicarb	0.000	0.824	0.822	0.800	0.2	< 30	103.0	102.8	50 - 150		
Abamectin	0.000	0.987	1.030	1.000	4.3	< 30	98.7	103.0	50 - 150		
Azoxystrobin	0.000	0.318	0.313	0.400	1.6	< 30	79.5	78.3	50 - 150		
Bifenazate	0.000	0.402	0.409	0.400	1.7	< 30	100.5	102.3	50 - 150		
Bifenthrin	0.000	0.350	0.399	0.400	13.1	< 30	87.5	99.8	50 - 150		
Boscalid	0.000	0.826	0.779	0.800	5.9	< 30	103.3	97.4	50 - 150		
Carbaryl	0.000	0.402	0.392	0.400	2.5	< 30	100.5	98.0	50 - 150		
Carbofuran	0.000	0.413	0.424	0.400	2.6	< 30	103.3	106.0	50 - 150		
Chlorantraniliprol	0.000	0.363	0.391	0.400	7.4	< 30	90.8	97.8	50 - 150		
Chlorfenapyr	0.000	1.820	1.840	2.000	1.1	< 30	91.0	92.0	50 - 150		
Chlorpyrifos	0.000	0.788	0.800	0.400	1.5	< 30	197.0	200.0	Q1		
Clofentezine	0.000	0.378	0.391	0.400	3.4	< 30	94.5	97.8	50 - 150		
Cyfluthrin	0.000	2.000	2.100	2.000	4.9	< 30	100.0	105.0	30 - 150		
Cypermethrin	0.000	1.970	1.980	2.000	0.5	< 30	98.5	99.0	50 - 150		
Daminozide	0.000	2.150	2.190	2.000	1.8	< 30	107.5	109.5	30 - 150		
Diazinon	0.000	0.419	0.419	0.400	0.0	< 30	104.8	104.8	50 - 150		
Dichlorvos	0.000	2.100	2.070	2.000	1.4	< 30	105.0	103.5	50 - 150		
Dimethoat	0.000	0.393	0.397	0.400	1.0	< 30	98.3	99.3	50 - 150		
Ethoprophos	0.000	0.396	0.405	0.400	2.2	< 30	99.0	101.3	50 - 150		
Etofenprox	0.000	0.876	0.902	0.800	2.9	< 30	109.5	112.8	50 - 150		
Etoxazol	0.000	0.393	0.411	0.400	4.5	< 30	98.3	102.8	50 - 150		
Fenoxycarb	0.000	0.395	0.403	0.400	2.0	< 30	98.8	100.8	50 - 150		
Fenprothiopymat	0.000	0.775	0.808	0.800	4.2	< 30	96.9	101.0	50 - 150		
Fipronil	0.000	0.876	0.870	0.800	0.7	< 30	109.5	108.8	50 - 150		
Flonicamid	0.000	0.985	0.977	1.000	0.8	< 30	98.5	97.7	50 - 150		
Fludioxonil	0.000	0.814	0.844	0.800	3.6	< 30	101.8	105.5	50 - 150		
Hexythiazox	0.000	1.760	1.900	1.000	7.7	< 30	176.0	190.0	Q1		
Imazalil	0.000	0.428	0.411	0.400	4.1	< 30	107.0	102.8	50 - 150		
Imidacloprid	0.000	0.846	0.865	0.800	2.2	< 30	105.8	108.1	50 - 150		
Kresoxim-Methyl	0.000	0.770	0.809	0.800	4.9	< 30	96.3	101.1	50 - 150		
Malathion	0.000	0.431	0.448	0.400	3.9	< 30	107.8	112.0	50 - 150		
Metaxalyl	0.000	0.389	0.383	0.400	1.6	< 30	97.3	95.8	50 - 150		
Methiocarb	0.010	0.385	0.383	0.400	0.5	< 30	93.8	93.3	50 - 150		
Methomyl	0.000	0.679	0.783	0.800	14.2	< 30	84.9	97.9	50 - 150		
MGK 264	0.000	0.467	0.450	0.400	3.7	< 30	116.8	112.5	50 - 150		
Myclobutanil	0.000	0.402	0.424	0.400	5.3	< 30	100.5	106.0	50 - 150		
Naled	0.000	0.835	0.863	1.000	3.3	< 30	83.5	86.3	50 - 150		
Oxamyl	0.000	1.890	1.950	2.000	3.1	< 30	94.5	97.5	50 - 150		
Paclbutrazol	0.000	0.809	0.800	0.800	1.1	< 30	101.1	100.0	50 - 150		
Parathion Methyl	0.000	0.928	1.010	0.800	8.5	< 30	116.0	126.3	30 - 150		
Permethrin	0.000	0.357	0.377	0.400	5.4	< 30	89.3	94.3	50 - 150		
Phosmet	0.000	0.398	0.420	0.400	5.4	< 30	99.5	105.0	50 - 150		
Piperonyl butoxide	0.000	1.980	2.050	2.000	3.5	< 30	99.0	102.5	50 - 150		
Prallethrin	0.016	1.040	1.050	0.800	1.0	< 30	128.0	129.2	50 - 150		
Propiconazole	0.000	0.790	0.829	0.800	4.8	< 30	98.8	103.6	50 - 150		
Propoxur	0.000	0.398	0.417	0.400	4.7	< 30	99.5	104.3	50 - 150		
Pyrethrins	0.003	0.248	0.250	0.284	0.8	< 30	86.1	86.8	50 - 150		
Pyridaben	0.000	0.442	0.420	0.400	5.1	< 30	110.5	105.0	50 - 150		
Spinosad	0.000	0.411	0.421	0.388	2.4	< 30	105.9	108.5	50 - 150		
Spiromesifen	0.000	0.483	0.503	0.400	4.1	< 30	120.8	125.8	50 - 150		
Spirotetramat	0.000	0.576	0.534	0.400	7.6	< 30	144.0	133.5	50 - 150		
Spiroxamine	0.000	0.883	0.877	0.800	0.7	< 30	110.4	109.6	50 - 150		
Tebuconazol	0.000	0.813	0.831	0.800	2.2	< 30	101.6	103.9	50 - 150		
Thiacloprid	0.004	0.426	0.420	0.400	1.4	< 30	105.4	103.9	50 - 150		
Thiamethoxam	0.000	0.367	0.383	0.400	4.3	< 30	91.8	95.8	50 - 150		
Trifloxystrobin	0.000	0.422	0.427	0.400	0.8	< 30	105.5	106.8	50 - 150		

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Laboratory Quality Control Results

JAOAC2015 V98-6 Batch ID: 1907384

Laboratory Control Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDV-A	0.00986	0.01	%	98.6	85 - 115	Acceptable		
CBDV	0.0106	0.01	%	106	85 - 115	Acceptable		
CBD-A	0.00981	0.01	%	98.1	85 - 115	Acceptable		
CBG-A	0.0102	0.01	%	102	85 - 115	Acceptable		
CBG	0.00991	0.01	%	99.1	85 - 115	Acceptable		
CBD	0.0101	0.01	%	101	85 - 115	Acceptable		
THCV	0.00964	0.01	%	96.4	85 - 115	Acceptable		
THCVA	0.00990	0.01	%	99.0	85 - 115	Acceptable		
CBN	0.0101	0.01	%	101	85 - 115	Acceptable		
THC	0.0103	0.01	%	103	85 - 115	Acceptable		
D8THC	0.00930	0.01	%	93.0	85 - 115	Acceptable		
CBL	0.00949	0.01	%	94.9	85 - 115	Acceptable		
CBC	0.0103	0.01	%	103	85 - 115	Acceptable		
THCA	0.0102	0.01	%	102	85 - 115	Acceptable		
CBCA	0.0107	0.01	%	107	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



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

JAOAC2015 V986		Batch ID: 1907384						
Sample Duplicate		Sample ID: 19-006626-0010						
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	0.145	0.155	0.003	%	6.67	< 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



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Laboratory Quality Control Results

EPA 5021					Batch ID: 1907399				
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	%Rec	Limits	Notes
Propane	ND	< 200		936	1200	µg/g	78.0	70 - 130	
Isobutane	ND	< 200		1170	1570	µg/g	74.5	70 - 130	
Butane	ND	< 200		1150	1570	µg/g	73.2	70 - 130	
2,2-dimethylpropane	ND	< 200		1470	1980	µg/g	74.2	70 - 130	
Methanol	ND	< 200		1690	2090	µg/g	80.9	70 - 130	
Ethylene Oxide	ND	< 30		83.4	119	µg/g	70.1	70 - 130	
2-Methylbutane	ND	< 200		1780	2130	µg/g	83.6	70 - 130	
n-Pentane	ND	< 200		1790	2090	µg/g	85.6	70 - 130	
Ethanol	ND	< 200		1740	2100	µg/g	82.9	70 - 130	
Ethyl Ether	ND	< 200		1850	2130	µg/g	86.9	70 - 130	
2,2-Dimethylbutane	ND	< 30		483	542	µg/g	89.1	70 - 130	
Acetone	ND	< 200		1790	2080	µg/g	86.1	70 - 130	
Isopropyl alcohol	ND	< 200		1780	2080	µg/g	85.6	70 - 130	
Acetonitrile	ND	< 100		627	804	µg/g	78.0	70 - 130	
2,3-Dimethylbutane	ND	< 30		194	265	µg/g	73.2	70 - 130	
Dichloromethane	ND	< 200		725	829	µg/g	87.5	70 - 130	
2-Methylpentane	ND	< 30		308	256	µg/g	120.3	70 - 130	
3-Methylpentane	ND	< 30		222	275	µg/g	80.7	70 - 130	
Hexane	ND	< 30		200	260	µg/g	76.9	70 - 130	
Ethyl acetate	ND	< 200		1730	2070	µg/g	83.6	70 - 130	
2-Butanol	ND	< 200		1770	2110	µg/g	83.9	70 - 130	
Tetrahydrofuran	ND	< 100		708	825	µg/g	85.8	70 - 130	
Cyclohexane	ND	< 200		1900	2080	µg/g	91.3	70 - 130	
Benzene	ND	< 1		25.2	33.6	µg/g	75.0	70 - 130	
Isopropyl Acetate	ND	< 200		1920	2120	µg/g	90.6	70 - 130	
Heptane	ND	< 200		1910	2080	µg/g	91.8	70 - 130	
1,4-Dioxane	ND	< 100		762	817	µg/g	93.3	70 - 130	
2-Ethoxyethanol	ND	< 30		2050	2080	µg/g	98.6	70 - 130	
Ethylene Glycol	ND	< 200		821	818	µg/g	100.4	70 - 130	
Toluene	ND	< 200		766	820	µg/g	93.4	70 - 130	
Ethylbenzene	ND	< 200		1280	1680	µg/g	76.2	70 - 130	
m,p-Xylene	ND	< 200		1580	1650	µg/g	95.8	70 - 130	
o-Xylene	ND	< 200		1580	1670	µg/g	94.6	70 - 130	
Cumene	ND	< 30		305	322	µg/g	94.7	70 - 130	



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QC - Sample Duplicate Sample ID: 19-009648-0001

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	
Quinone	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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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	Quantitaion 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.