

Job Number:

Report Date:

ORELAP#:

Received:

Client/Metrc ID:

Report Number:

Purchase Order:

19-009477

081250-01

08/22/2019

OR100028

08/08/19 14:48



This is an amended version of report# 081250-00.

Reason: Updated Product Identity.

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

Product identity: HDTO-1219 Social 750mg Drop Pomegranate

Laboratory ID: 19-009477-0006 **Sample Date:** 08/08/19 14:22

Summary

Potency:

Analyte	Result	Limits	Units	LOQ	CBD-Total (%)	2.51 %
CBC [†]	0.0182		%	0.00		
CBD	2.51		%	0.03	CBD-Total per 1ml	25.2 mg/1ml
CBDV [†]	0.0123		%	0.00		
CBN	0.00683		%	0.00	CBD-Total per 30ml	756 mg/30ml
Analyte per 1ml	Result	Limits	Units	LOQ	THC-Total (%)	
CBC per 1ml [†]	0.183		mg/1ml	0.03		
CBD per 1ml	25.2		mg/1ml	0.03		
CBDV per 1ml [†]	0.123		mg/1ml	0.03		
CBN per 1ml	0.0685		mg/1ml	0.03		
Analyte per 30ml	Result	Limits	Units	LOQ		
CBC per 30ml [†]	5.48		mg/30ml	1.00		
CBD per 30ml	756		mg/30ml	1.00		
CBDV per 30ml [†]	3.70		mg/30ml	1.00		
CBN per 30ml	2.06		mg/30ml	1.00		

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: HDTO-1219 Social 750mg Drop Pomegranate

Client/Metrc ID: .

 Sample Date:
 08/08/19 14:22

 Laboratory ID:
 19-009477-0006

 Relinquished by:
 Brian Ramos

 Temp:
 20.6 °C

 Serving Size #2:
 30.1 g

 Serving Size #1:
 1.003 g

 Weight Received:
 4 g

Sample Results

Potency			Batch: 190	7328			
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC [†]	0.0182		%	0.0033	08/10/19	J AOAC 2015 V98-6	
CBC-A [†]	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
CBC-Total [†]	0.0182		%	0.0061	08/14/19	J AOAC 2015 V98-6	
CBD	2.51		%	0.0327	08/14/19	J AOAC 2015 V98-6	
CBD-A	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
CBD-Total	2.51		%	0.0355	08/14/19	J AOAC 2015 V98-6	
CBG [†]	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
CBG-A [†]	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
CBG-Total [†]	0.00246		%	0.0061	08/14/19	J AOAC 2015 V98-6	
CBL [†]	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
∆8-THC†	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
∆9-THC	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
THC-A	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
THC-Total	0.00178		%	0.0061	08/14/19	J AOAC 2015 V98-6	
THCV [†]	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
THCV-A [†]	< LOQ		%	0.0033	08/10/19	J AOAC 2015 V98-6	
THCV-Total [†]	< LOQ		%	0.0061	08/14/19	J AOAC 2015 V98-6	
Potency per 1ml			Batch: 190	7328			
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 1ml [†]	0.183		mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	





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Potency per 1ml	Decult	Batch: 190		A a l a	Mathad	Mataa
Analyte	Result	Limits Units	LOQ	Analyze	Method	Notes
CBC-A per 1ml†	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
CBC-Total per 1ml [†]	0.183	mg/1ml	0.0628	08/14/19	J AOAC 2015 V98-6	
CBD per 1ml	25.2	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
CBD-A per 1ml	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
CBD-Total per 1ml	25.2	mg/1ml	0.0628	08/14/19	J AOAC 2015 V98-6	
CBG per 1ml [†]	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
CBG-A per 1ml [†]	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
CBG-Total per 1ml†	< LOQ	mg/1ml	0.0628	08/14/19	J AOAC 2015 V98-6	
CBL per 1ml [†]	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
$\Delta 8$ -THC per 1ml †	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
Δ9-THC per 1ml	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
THC-A per 1ml	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
THC-Total per 1ml	< LOQ	mg/1ml	0.0628	08/14/19	J AOAC 2015 V98-6	
THCV per 1ml [†]	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
THCV-A per 1ml [†]	< LOQ	mg/1ml	0.0334	08/14/19	J AOAC 2015 V98-6	
THCV-Total per 1ml [†]	< LOQ	mg/1ml	0.0624	08/14/19	J AOAC 2015 V98-6	

Potency per 30ml			Batch: 190	7328			
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
CBC per 30ml [†]	5.48		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
CBC-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
CBC-Total per 30ml [†]	5.48		mg/30ml	1.88	08/14/19	J AOAC 2015 V98-6	
CBD per 30ml	756		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
CBD-A per 30ml	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
CBD-Total per 30ml	756		mg/30ml	1.88	08/14/19	J AOAC 2015 V98-6	
CBG per 30ml [†]	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
CBG-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
CBG-Total per 30ml [†]	< LOQ		mg/30ml	1.88	08/14/19	J AOAC 2015 V98-6	
CBL per 30ml [†]	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
$\Delta 8$ -THC per 30ml †	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
$\Delta 9$ -THC per 30ml	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
THC-A per 30ml	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
THC-Total per 30ml	< LOQ		mg/30ml	1.88	08/14/19	J AOAC 2015 V98-6	
THCV per 30ml [†]	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	





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Potency per 30ml			Batch: 1907	7328			
Analyte	Result	Limits	Units	LOQ	Analyze	Method	Notes
THCV-A per 30ml [†]	< LOQ		mg/30ml	1.00	08/14/19	J AOAC 2015 V98-6	
THCV-Total per 30ml [†]	< LOQ		mg/30ml	1.87	08/14/19	J AOAC 2015 V98-6	

Solvents	Method	EPA502	21A			Units µg/g Batch 19	907188	Analyz	e 08/0	09/19 05:08 PM
Analyte	Result			Status	Notes	Analyte	Result			Status Notes
1,4-Dioxane	< LOQ	380			110100	2-Butanol	< LOQ	5000		
•			100	•				3000	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	1907263	Analy	ze 08/13/19 11:44 AM
Analyte	Result	Limits	LOQ Status I	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.

% = Percentage of sample % wt = μ g/g divided by 10,000

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

Approved Signatory

Derrick Tanner General Manager





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												SENTIAWELL	19-0	109477	
12423 NE Whitaker Way Portland OR S	97230 p.503	-254-1794		Can	nabis	Cha		Cust						(IS Lat	os
Company: Sentia Wellnes	SS						An	alysis	Requ	ested		Sentia Wellness)	
Contact: Erin Harbacek Address: 3931 NE Columb Email: erin.harbacek@s Phone: 785-280-1576		ness.co	m	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals		☐ Send to ☐ Email F ☐ Fax Final	Instructions: State - METRC inal Results:	
Processor's License:		Date/Time	Collected	Pe	Po	Re	3	ž	Te	Σ	ž	Matrix	Weight	Comments	Cont #'s
Amber Labs CBD Isolate		8/8/19	1:31	x	×	x						Extract	20 g	%, mg/g	
Amber Labs Water Solubl	le	8/8/19	1:31	x	х	x						Extract	15g	%, mg/g	
Lot: DBL0021.6107		200000											-		
GenCanna Water Sol		8/8/19	1:31	х	х	х					7	Extract	5g	%, mg/g	
Lot: WS19002-20															
Collected By:	Reli	inquished	l By:	_	Date	Ti	me		Receiv	ed By:		Date	Time	Labs Use Only:	
Standard 5 day Rush (1.5 x Standard) Priority Rush (2 x Standard)	Erin Harl	bacek			8/19	1:3	48	3	10	2		09.8.18	1448	Client Alias: Order Number: Proper Container Sample Condition	-
Ask About Availability SUBMISSION OF SAMPLES WITH TES	i													☐ Temperature ☐ Shipped Via:	

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												SENTIAWELL	19-1	009477		
12423 NE Whitaker Way Portland	OR 97230 p.50	3-254-179	1	Can	nabi	s Cha	iin of	Cust	tody	Reco					XIS La	bs
Company: Sentia Well	ness						An	alysis	Requ	ested		Sentia Wellness			r:	
Contact: Erin Harbacek						S							Project Na)	
Address: 3931 NE Colu	ımbia Blvd					/ent	≥						□ Repor	Instruction		
Email: <u>erin.harbacek</u>	@sentiawe	Iness.cc	m	S		Residual Solvents	Water Activity			Microbiology				o State - ME Final Results		
Phone: 785-280-1576	Fax:			ide	ζ	nal	l Ac	nre	nes	bio	S		☐ Fax Fir		•	
Processor's License:				Pesticides	Potency	sid	ate	Moisture	Terpenes	cro	Metals		☐ Cash/0 Other:	Check/CC/Ne	et 30	
Field ID		Date/Time	Collected	Pe	P	Re	>	Š	Te	Σ	ž	Matrix	Weight	Τ (Comments	Cont #'s
GenCanna Full Spectum		8/8/19	1:40	х	х	x						Drops	20 ml	%, per s	serving (1ml)	
Lot:190430LE															3 ()	
	2000															
Collected By:	Rel	inquished	Bv:		Date	Tin	ne		Receive	d By:	- Constant	Date	Time	Labs Use	0-1-	
☑ Standard 5 day	Erin Hari			8/8		1:44	_	3	200					Labs Use	Only:	
Rush (1.5 x Standard)		/ / Z				_	7	2	1			8.8.19	1421	Client Alias	:	
☐ Priority Rush (2 x Standard)	90		_	8.8	19	140	18	L	4			84.11	1448	Order Num		_
Ask About Availability														☐ Proper ☐ Sample		
257 sadpenda (₹														☐ Temper	ature 20.6 L	
					-	+	-							□ Snipped	d Via:	-
SUBMISSION OF SAMPLES WITH T	ECTING DECLURA	BAFFITC TO												Evidence of	fcooling: □Yes [□No

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12423 NE Whitaker Way Portland C	DR 97230 p.50	3-254-1794	1	Can	nabi	s Cha	ain of	f Cus	tody	Reco		SENTIAWELL	19-(009477	XIS La	bs
Company: Sentia Welln	ess						An	alysis	Requ	ested	;	Sentia Wellness			100028	
Contact: Erin Harbacek Address: 3931 NE Colun Email: erin.harbacek@ Phone: 785-280-1576 Processor's License:	nbia Blvd	llness.co	m	Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals		☐ Send t☐ Email ☐ Fax Fir	nme: t Instruction: o State - ME Final Results	TRC :	
Field ID		Date/Time	Collected	Pes	Pot	Res	Wa	Mo	Ter	Mic	Met	Matrix	Other: _ Weight			
Social 750mg Drops Vanill	a Mint	8/8/19	1:55	x	x	X			-			Drops	4g		Comments ng (1ml), serving per c	Cont #'s
HDTO-												Бторз	79	76, per servi	ng (mi), serving per c	ontanier
Social 750mg Drop Pom HDTO-	egranate	8/8/19	1:55	x	х	Х						Drops	4g	%, per sen	ving (1ml), serving p	er contanie
(Erin will provide HDTO I	Lot code	to Jen)														
									v.							
Collected By:	Reli	nquished	By:		Date	Tim	ne		Receive	ed By:		Date	Time	Labs Use	Only	
✓ Standard 5 day ☐ Rush (1.5 x Standard)	Erin Hart	oacek		8/8		1:55	5	B	100	3		8.8.69	1421			
☐ Priority Rush (2 x Standard) Ask About Availability	D0	/2		8.	8.19	14	48				7.	8.8.17	1448	Order Numl Proper C Sample Tempera Shipped	Container Condition ature ?	-
SUBMISSION OF SAMPLES WITH TES	TING REQUIRE	MENTS TO F	PIXIS WILL	BE UNDE	RSTOOD	TO BE A	AN AGRE	EMENT	FOR SEF	RVICES IN	ACCOI	RDANCE WITH THE	CONDITIONS L	Evidence of	cooling: Yes [BACK OF THIS FORM	□ No

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12423 NE Whitaker Way Portland C		3-254-1794	1	Can	nabis	s Cha		Cust				Sentia Wellness		ente	IS La	abs
Contact: Erin Harbacek Address: 3931 NE Colum Email: erin.harbacek@ Phone: 785-280-1576 Processor's License: Field ID		Iness.co		Pesticides	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Microbiology	Metals		Project N Repor Send Email Fax Fi	ame: t Instructions: to State - METRC Final Results: nal Results Check/CC/Net 30		
Katecho Topical Gel 1.8%		8/8/19	1:28	x	x	x	_					Matrix Topical	Weight 5g	Comm	ents	Cont #'s
Lot: LB#070319-2														%, mg/g		
Collected By:	Relir	nguished I	Bv:		ate	Time		D	occive.	d D	4					
Standard 5 day Rush (1.5 x Standard) Priority Rush (2 x Standard) Ask About Availability	Erin Harb		-1.	8/8/	19	1:28 /ԿԿ	3	50	Receive	з ву:		Date 9.9.14 9.8.19	Time 1421 1444	Client Alias: Order Number: Proper Contain Sample Conditi Temperature Shipped Via:	ner ion 20.6	-

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TD 08-08-19





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12423 NE Whitaker Way Portland		03-254-179	4	Can	ınabis	Cha				Reco		SENTIAWELL			IS La	abs
Contact: Erin Harbacek Address: 3931 NE Columbi Email: erin.harbacek@se Phone: 785-280-1576 Processor's License:	a Blvd	com		Pesticides	Potency	Residual Solvents	Water Activity	Moisture 5	Terpenes	Microbiology	Metals	Sentia Wellness	Project Na Repor Send t Email Fax Fir	ame: t Instructions: to State - METRC Final Results: nal Results Check/CC/Net 30		
Field ID		Date/Time	Collected	a a	Pc	Re	>	Š	Te	Σ	ž	Matrix	Other: Weight	Com	ments	Cont #'s
Amber Labs Hemp Terps		8/8/19	1:50						х			Terps	1ml			22
Amber Labs Hemp Terp	s - Lifter	8/8/19	1:50						Х			Terps	1ml			
Collected By:	Reli	nquished	Ву:		Date	Tim	e		Receive	d By:		Date	Time	Labs Use Onl	lv:	
✓ Standard 5 day ☐ Rush (1.5 x Standard)	Erin Hart	pacek		8/8	119 3 · 1 9	1:52		1	N	2.		8.8.19	1421	Client Alias:		
☐ Priority Rush (2 x Standard) Ask About Availability					5119	1 1 9	00		47			31.78	1198	Order Number: _ Proper Conta Sample Cond Temperature Shipped Via:	iner lition	_
1 2 min (1)														Evidence of cooli	ng: □Vos	ПМо

Revision: 1.01 Control#: CF001 Effective date: 09/21/2016

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Page 1 ot 2





 Job Number:
 19-009477

 Report Number:
 081250-01

 Report Date:
 08/22/2019

 ORELAP#:
 OR100028

Purchase Order:

Received: 08/08/19 14:48

Laboratory	Ouglitus.	Cantral	Doculte

EPA 5021		,		ty Contro		Ba	tch ID:	190718	88			
Method Blank		Laborator	y Cont	rol Sa	mple							
Analyte	Result		LOQ	Notes	Result	Spike	Units	% Rec	-	Lim	its	Notes
Propane	ND	<	200		1100	1200	μg/g	91.7	70	-	130	
Isobutane	ND	<	200		1530	1570	μg/g	97.5	70	-	130	
Butane	ND	<	200		1520	1570	μg/g	96.8	70	-	130	
2,2-dimethylpropane	ND	<	200		1910	1980	μg/g	96.5	70	-	130	
Methanol	ND	<	200		2480	2390	μg/g	103.8	70	-	130	
Ethylene Oxide	ND	<	30		114	119	μg/g	95.8	70	-	130	
2-Methylbutane	ND	<	200		1900	2430	μg/g	78.2	70	-	130	
n-Pentane	ND	<	200		2040	2380	μg/g	85.7	70	-	130	
Ethanol	ND	<	200		2630	2400	μg/g	109.6	70	-	130	
Ethyl Ether	ND	<	200		2280	2430	μg/g	93.8	70		130	
2,2-Dimethylbutane	ND	<	30		571	620	μg/g	92.1	70	-	130	
Acetone	ND	<	200		2240	2380	μg/g	94.1	70	-	130	
Isopropyl alcohol	ND	<	200		2600	2380	μg/g	109.2	70	-	130	
Acetonitrile	ND	<	100		881	919	μg/g	95.9	70	-	130	
2,3-Dimethylbutane	ND	<	30		260	303	μg/g	85.8	70	-	130	
Dichloromethane	ND	<	200		913	948	μg/g	96.3	70	-	130	
2-Methylpentane	ND	<	30		246	293	μg/g	84.0	70	-	130	
3-Methylpentane	ND	<	30		294	314	μg/g	93.6	70	-	130	
Hexane	ND	<	30		268	297	μg/g	90.2	70		130	
Ethyl acetate	ND	<	200		2390	2370	μg/g	100.8	70	-	130	
2-Butanol	ND	<	200		2750	2410	μg/g	114.1	70		130	
Tetrahydrofuran	ND	<	100		970	943	μg/g	102.9	70	-	130	
Cyclohexane	ND	<	200		2310	2370	μg/g	97.5	70	-	130	
Benzene	ND	<	1		30.1	38.4	μg/g	78.4	70	-	130	
Isopropyl Acetate	ND	<	200		2410	2420	μg/g	99.6	70	-	130	
Heptane	ND	<	200		2380	2380	μg/g	100.0	70	-	130	
1,4-Dioxane	ND	<	100		967	933	μg/g	103.6	70	-	130	
2-Ethoxyethanol	ND	<	30		2950	2370	μg/g	124.5	70	-	130	
Ethylene Glycol	ND	<	200		1180	934	μg/g	126.3	70	-	130	
Toluene	ND	<	200		947	937	μg/g	101.1	70	-	130	
Ethylbenzene	ND	<	200		1580	1920	μg/g	82.3	70	-	130	
m,p-Xylene	ND	<	200		1900	1880	μg/g	101.1	70	-	130	
o-Xylene	ND	<	200		1920	1910	μg/g	100.5	70	-	130	
Cumene	ND	<	30		372	368	μg/g	101.1	70	-	130	





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QC - Sample Duplicate Sample ID: 19-009389-0001

QC - Sample Duplicati	-					Janipie ID.	19-009369-0001	
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	721	536	200	μg/g	29.4	< 20	FAIL	Q4
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

Q4 Non-homogeneous sample matrix affecting RPSresult and/or % recoveries.

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

IN Result ND ND ND ND ND ND ND ND ND N		Notes	Laboratory Col LCS Result 1 (020) 3.980 0.430 0.776 0.987 0.380 0.412 0.371 0.924 0.371 0.924 0.350 0.405 0.350 0.405 0.360 0.409 1.940 1.920 1.940 1.920 0.385	Introl Samp ICS Spike 1 1000 1 000 1 000 0 4	LCS % Rec 102. 0 99. 5 107. 5 97. 0 98. 7 95. 0 103. 0 92. 8 115. 5 99. 5 101. 3 87. 5 108. 0 102. 3 97. 0	Umits 70 - 130	Notes
ND N	< 0.200 < 1.000 < 0.100 < 0.208 < 0.208 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100	Notes	1.020 3.980 0.430 0.776 0.987 0.380 0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940	1.000 4.000 0.400 0.800 1.000 0.400 0.400 0.400 0.400 0.400 0.400 2.000 0.400 0.400 2.000 0.400 2.000 0.400	102.0 99.5 107.5 97.0 98.7 95.0 103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0	70 - 130 70 - 130	Notes
ND N	< 1.000 < 0.100 < 0.208 < 0.208 < 0.000 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		3.980 0.430 0.776 0.987 0.380 0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940 1.920	4.000 0.400 0.800 1.000 0.400 0.	99.5 107.5 97.0 98.7 95.0 103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0	70 - 130 70 - 130 30 - 130	
ND N	< 0.100 < 0.208 < 0.208 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.430 0.776 0.987 0.380 0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940	0.400 0.800 1.000 0.400 0.400 0.400 0.400 0.400 0.400 2.000 0.400 0.400 2.000 0.400 0.400	107.5 97.0 98.7 98.7 103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130	
ND N	< 0.200 < 0.288 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.776 0.987 0.380 0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940	0.800 1.000 0.400 0.400 0.400 0.400 0.400 0.400 2.000 0.400 2.000 2.000	97.0 98.7 95.0 103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130	
ND N	< 0.288 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.987 0.380 0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940 1.920	1.000 0.400 0.400 0.400 0.800 0.400 0.400 2.000 0.400 2.000 2.000 2.000	98.7 95.0 103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.380 0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940 1.920	0.400 0.400 0.400 0.800 0.400 0.400 0.400 2.000 0.400 2.000 2.000	95.0 103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.412 0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940	0.400 0.400 0.800 0.400 0.400 0.400 2.000 0.400 2.000 0.400 2.000 2.000	103.0 92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 1.000 < 1.000 < 1.000 < 1.000 < 1.000 < 0.100 < 0		0.371 0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940	0.400 0.800 0.400 0.400 0.400 2.000 0.400 0.400 2.000 2.000 2.000	92.8 115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.500 < 0.100 < 0.100 < 0.100 < 0.100		0.924 0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940 1.920	0.800 0.400 0.400 0.400 2.000 0.400 0.400 2.000 2.000	115.5 99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 1.000 < 1.000 < 1.000 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.398 0.405 0.350 2.160 0.409 0.388 2.120 1.940 1.920	0.400 0.400 0.400 2.000 0.400 0.400 2.000 2.000	99.5 101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 1.000 < 0.100 < 0.100 < 0.100 < 1.000 < 1.000 < 1.000 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.405 0.350 2.160 0.409 0.388 2.120 1.940	0.400 0.400 2.000 0.400 0.400 2.000 2.000	101.3 87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 1.000 < 0.100 < 0.100 < 1.000 < 1.000 < 1.000 < 1.000 < 0.100 < 0.100 < 0.100 < 0.100 < 0.100		0.350 2.160 0.409 0.388 2.120 1.940 1.920	0.400 2.000 0.400 0.400 2.000 2.000	87.5 108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 70 - 130 70 - 130 30 - 150	
ND N	< 1.000 < 0.100 < 0.100 < 1.000 < 1.000 < 1.000 < 1.000 < 0.100 < 0.100 < 0.500 < 0.100		2.160 0.409 0.388 2.120 1.940 1.920	2.000 0.400 0.400 2.000 2.000	108.0 102.3 97.0 106.0 97.0	70 - 130 70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 0.100 < 1.000 < 1.000 < 1.000 < 0.100 < 0.500 < 0.100 < 0.100		0.409 0.388 2.120 1.940 1.920	0.400 0.400 2.000 2.000	102.3 97.0 106.0 97.0	70 - 130 70 - 130 30 - 150	
ND N	< 0.100 < 1.000 < 1.000 < 1.000 < 0.100 < 0.500 < 0.100 < 0.100		0.388 2.120 1.940 1.920	0.400 2.000 2.000	97.0 106.0 97.0	70 - 130 30 - 150	
ND N	< 1.000 < 1.000 < 1.000 < 0.100 < 0.500 < 0.100 < 0.100		2.120 1.940 1.920	2.000 2.000	106.0 97.0	30 - 150	
ND N	< 1.000 < 1.000 < 0.100 < 0.500 < 0.100 < 0.100		1.940 1.920	2.000	97.0		
ND	< 1.000 < 0.100 < 0.500 < 0.100 < 0.100		1.920				
ND ND ND ND ND ND ND ND	< 0.100 < 0.500 < 0.100 < 0.100			2,000		70 - 130	1
ND ND ND ND ND	< 0.500 < 0.100 < 0.100		0.295	1 2.000	96.0	30 - 150	1
ND ND ND ND	< 0.100 < 0.100		0.303	0.400	96.3	70 - 130	1
ND ND ND	< 0.100		1.880	2.000	94.0	70 - 130	1
ND ND ND	< 0.100	1	0.412	0.400	103.0	70 - 130	
ND		1	0.395	0.400	98.8	70 - 130	1
	< 0.100	_	0.762	0.800	95.3	70 - 130	1
	< 0.100	1	0.368	0.400	92.0	70 - 130	
ND	< 0.100	1	0.411	0.400	102.8	70 - 130	1
ND	< 0.100		0.767	0.800	95.9	70 - 130	
ND	< 0.100	1	0.749	0.800	93.6	70 - 130	l –
ND	< 0.400	1	1.020	1.000	102.0	70 - 130	1
ND	< 0.100	_	0.899	0.800	112.4	70 - 130	
ND	< 0.400	1	0.990	1.000	99.0	70 - 130	1
ND	< 0.100	1	0.391	0.400	97.8	70 - 130	
ND	< 0.200	1	0.786	0.800	98.3	70 - 130	
ND	< 0.100	1	0.885	0.800	110.6	70 - 130	1
ND	< 0.100	1	0.418	0.400	104.5	70 - 130	
ND I	< 0.100	-	0.394	0.400	98.5	70 - 130	-
ND I	< 0.100	-	0.370	0.400	92.5	70 - 130	
ND ND	< 0.200	+	0.758	0.800	94.8	70 - 130	1
ND	< 0.100	+	0.394	0.400	98.5	70 - 130	1
ND I	< 0.100	+	0.405	0.400	101.3	70 - 130	-
ND	< 0.200	-	0.983	1.000	98.3	70 - 130	-
ND ND	< 0.400	+	1.970	2.000	98.5	70 - 130	1
ND ND	< 0.200	+	0.853	0.800	106.6	70 - 130	1
ND I	< 0.200	+	0.792	0.800	99.0	30 - 150	1
ND I		+			99.3	70 - 130	1
ND ND	< 0.100	+	0.396	0.400	99.0	70 - 130	1
ND I		+					1
ND I		+					1
ND I	< 0.200	+		0.800	103.0	70 - 130	
ND I		+					1
ND ND		+					-
ND I		+					1
		+					
		+					-
							-
		+					-
		+					-
		+					-
ND		+					-
ND ND		-					-
	ND N	ND	ND	ND	ND	ND	ND





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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 15	662		Units:	mg/Kg				Batch	ID: 19072	63
Matrix Spike/Matrix :	Spike Duplic	ate Reco	veries			S	ample ID:	19-00947	7-0006	
Analyte	Result	MS Res	MSD Res	Spike	RF	PD%	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	1.360	1.390	1.000	2.2	< 30	136.0	139.0	50 - 150	
Acequinocyl	0.035	4.530	4.310	4.000	5.0	< 30	112.4	106.9	50 - 150	
Acetamiprid	0.000	0.501	0.474	0.400	5.5	< 30	125.3	118.5	50 - 150	
Aldicarb	0.044	0.848	0.821	0.800	3.2	< 30	100.5	97.1	50 - 150	
Abamectin	0.000	1.400	1.180	1.000	17.1	< 30	140.0	118.0	50 - 150	
Azoxystrobin	0.008	0.650	0.613	0.400	5.9	< 30	160.4	151.2	50 - 150	Q1
Bifenazate	0.001	0.546	0.557	0.400	2.0	< 30	136.1	138.9	50 - 150	
Bifenthrin	0.022	0.967	0.919	0.400	5.1	< 30	236.4	224.4	50 - 150	Q
Boscalid	0.023	1.170	1.130	0.800	3.5	< 30	143.4	138.4	50 - 150	
Carbaryl	0.000	0.519	0.511	0.400	1.6	< 30	129.8	127.8	50 - 150	
Carbofuran	0.008	0.495	0.468	0.400	5.6	< 30	121.7	115.0	50 - 150	
Chlorantraniliprol	0.000	0.527	0.456	0.400	14.4	< 30	131.8	114.0	50 - 150	ĺ
hlorfenapyr	0.000	2.390	2.320	2.000	3.0	< 30	119.5	116.0	50 - 150	
Chlorpyrifos	0.000	0.612	0.587	0.400	4.2	< 30	153.0	146.8	50 - 150	Q1
lofentezine	0.016	0.468	0.455	0.400	2.8	< 30	113.0	109.8	50 - 150	
yfluthrin	0.269	3.030	2.830	2.000	6.8	< 30	138.1	128.1	30 - 150	
ypermethrin	0.012	1.890	1.850	2.000	2.1	< 30	93.9	91.9	50 - 150	
Daminozide	0.029	2.620	2.690	2.000	2.6	< 30	129.6	133.1	30 - 150	İ
Diazinon	0.001	0.429	0.466	0.400	8.3	< 30	107.0	116.3	50 - 150	
Dichlorvos	0.028	2.290	2.250	2.000	1.8	< 30	113.1	111.1	50 - 150	
Dimethoat	0.003	0.461	0.452	0.400	2.0	< 30	114.6	112.4	50 - 150	
thoprophos	0.013	0.570	0.534	0.400	6.5	< 30	139.2	130.2	50 - 150	
tofenprox	0.029	0.922	0.857	0.800	7.3	< 30	111.7	103.5	50 - 150	
toxazol	0.008	0.452	0.445	0.400	1.6	< 30	110.9	109.1	50 - 150	i
enoxycarb	0.019	0.416	0.536	0.400	25.2	< 30	99.2	129.2	50 - 150	
enpyroximat	0.013	0.733	0.699	0.800	4.7	< 30	90.0	85.8	50 - 150	
ipronil	0.046	0.975	1.240	0.800	23.9	< 30	116.2	149.3	50 - 150	
lonicamid	0.000	1.210	1.220	1.000	0.8	< 30	121.0	122.0	50 - 150	
ludioxonil	0.000	1.160	1.140	0.800	1.7	< 30	145.0	142.5	50 - 150	
lexythiazox	0.000	2.440	2.450	1.000	0.4	< 30	244.0	245.0	50 - 150	Q1
mazalil	0.007	0.481	0.482	0.400	0.2	< 30	118.6	118.8	50 - 150	
midacloprid	0.022	0.957	0.916	0.800	4.4	< 30	116.8	111.7	50 - 150	-
(resoxim-Methyl	0.006	0.871	1.060	0.800	19.6	< 30	108.1	131.7	50 - 150	-
Malathion	0.001	0.600	0.620	0.400	3.3	< 30	149.8	154.8	50 - 150	Q1
Metalaxyl	0.000	0.559	0.588	0.400	5.1	< 30	139.8	147.0	50 - 150	
Methiocarb	0.004	0.555	0.540	0.400	2.7	< 30	137.9	134.1	50 - 150	-
Methomyl	0.011	1.020	1.040	0.800	1.9	< 30	126.2	128.7	50 - 150	-
MGK 264	0.006	0.474	0.462	0.400	2.6	< 30	116.9	113.9	50 - 150	<u> </u>
Ayclobutanil	0.000	0.545	0.536	0.400	1.7	< 30	136.3	134.0	50 - 150	-
Valed	0.011	1.430	1.360	1.000	5.0	< 30	141.9	134.9	50 - 150	-
)xamyl	0.011	2.540	2.570	2.000	1.2	< 30	125.6	127.1	50 - 150	
Paclobutrazol	0.026	1.150	1.120	0.800	2.6	< 30	143.1	139.3	50 - 150	
arathion Methyl	0.000	1.120	1.120	0.800	12.6	< 30	140.0	158.8	30 - 150	Q1
ermethrin	0.010	0.456	0.418	0.400	8.7	< 30	111.6	102.1	50 - 150	\q1
hosmet	0.010	0.436	0.418	0.400	0.3	< 30	143.0	142.5	50 - 150	-
iperonyl butoxide	0.000	2.220	2.230	2.000	0.3	< 30	111.0	111.5	50 - 150	<u> </u>
rallethrin	0.000	1.310	1.290	0.800	1.5	< 30	163.6	161.1	50 - 150	Q1
ropiconazole	0.001	0.893	0.962	0.800	7.4	< 30	111.6	120.3	50 - 150	الا
ropiconazoie	0.000	0.893	0.465	0.400	3.8	< 30	120.8	116.3	50 - 150	-
vrethrins	0.000	0.483	0.465	0.400	0.8	< 30	83.7	83.0	50 - 150	-
yridaben	0.000	0.238	0.236	0.400	0.0	< 30	70.3	70.3	50 - 150	<u> </u>
pinosad	0.014	0.295	0.295	0.400	19.4	< 30	111.9	135.8	50 - 150	<u> </u>
	0.000	0.434	0.527	0.388	19.4	< 30	111.9	135.8	50 - 150	-
piromesifen										
pirotetramat	0.003	0.512	0.480	0.400	6.5	< 30	127.2	119.2	50 - 150	
piroxamine	0.009	1.120	1.080	0.800	3.6	< 30	138.8	133.8	50 - 150	
ebuconazol	0.017	0.809	0.940	0.800	15.0	< 30	99.1	115.4	50 - 150	
hiacloprid	0.000	0.483	0.470	0.400	2.7	< 30	120.8	117.5	50 - 150	
hiamethoxam	0.000	0.503	0.501	0.400	0.4	< 30	125.8	125.3	50 - 150	
Trifloxystrobin	0.021	0.452	0.451	0.400	0.2	< 30	107.8	107.6	50 - 150	





 Job Number:
 19-009477

 Report Number:
 081250-01

 Report Date:
 08/22/2019

 ORELAP#:
 OR100028

Purchase Order:

Received: 08/08/19 14:48

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Laboratory Quality Control Results

J AOAC 2015	5 V98-6			Bat	ch ID: 1907328		
Laboratory C	Control Sample						
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00953	0.01	%	95.3	85 - 115	Acceptable	
CBDV	0.00934	0.01	%	93.4	85 - 115	Acceptable	
CBD-A	0.00939	0.01	%	93.9	85 - 115	Acceptable	
CBG-A	0.00921	0.01	%	92.1	85 - 115	Acceptable	
CBG	0.00936	0.01	%	93.6	85 - 115	Acceptable	
CBD	0.0099	0.01	%	99.0	85 - 115	Acceptable	
THCV	0.00954	0.01	%	95.4	85 - 115	Acceptable	
THCVA	0.00954	0.01	%	95.4	85 - 115	Acceptable	
CBN	0.0100	0.01	%	100	85 - 115	Acceptable	
THC	0.00980	0.01	%	98.0	85 - 115	Acceptable	
D8THC	0.00925	0.01	%	92.5	85 - 115	Acceptable	
CBL	0.00951	0.01	%	95.1	85 - 115	Acceptable	
CBC	0.00950	0.01	%	95.0	85 - 115	Acceptable	
THCA	0.00985	0.01	%	98.5	85 - 115	Acceptable	
CBCA	0.00954	0.01	%	95.4	85 - 115	Acceptable	

Method Blank

Wicking 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





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J AOAC 2015	V98-6				Bat	ch ID: 190732	3				
Sample Duplic	cate			Sample ID: 19-009136-0001							
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes			
CBDV-A	ND	ND	0.003	%	0	< 20	Acceptable				
CBDV	0.0195	0.0196	0.003	%	0.512	< 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	6.59	6.67	0.003	%	1.21	< 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	0.00463	0.00455	0.003	%	1.74	< 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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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.
В	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.