



Job Number: 19-003076

Report Number: 19-003076-00

Report Date: 03/27/2019

ORELAP#: OR100028

Purchase Order:

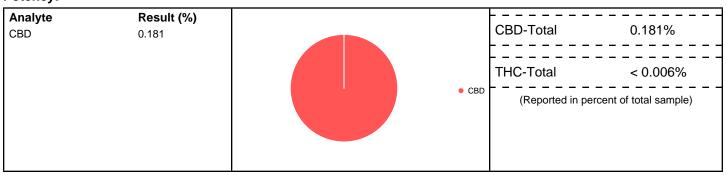
Received: 03/22/19 09:42

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

Product identity: PC200 422 Client/Metrc ID: Laboratory ID: 19-003076-0003 Sample Date:

Summary

Potency:



Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.





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Customer: My CBD Test

Product identity: PC200 422

Client/Metrc ID: .

Sample Date:

Laboratory ID: 19-003076-0003
Relinquished by: Received By Mail

Temp: 15.2 °C

Sample Results

Potency	Method J AOA	C 2015 V	/98-6		Units %	Batch 1902533	Analyze 03/26/19	12:13 AM
Analyte	As	Dry	LOQ	Notes				
	Received	weight						
CBC [†]	< LOQ		0.0033					
CBC-A [†]	< LOQ		0.0033					
CBC-Total [†]	< LOQ		0.0063					
CBD	0.181		0.0033				1	CBD
CBD-A	< LOQ		0.0033					
CBD-Total	0.181		0.0063					
CBDV [†]	< LOQ		0.0033					
CBDV-A [†]	< LOQ		0.0033					
CBDV-Total [†]	< LOQ		0.0062					
CBG [†]	< LOQ		0.0033					
CBG-A [†]	< LOQ		0.0033					
CBG-Total [†]	< LOQ		0.0063					
CBL [†]	< LOQ		0.0033					
CBN	< LOQ		0.0033					
$\Delta 8\text{-THC}^{\dagger}$	< LOQ		0.0033					
Δ9-THC	< LOQ		0.0033					
THC-A	< LOQ		0.0033					
THC-Total	< LOQ		0.0063					
THCV [†]	< LOQ		0.0033					
THCV-A [†]	< LOQ		0.0033					
THCV-Total [†]	< LOQ		0.0062					

Microbiology								
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1902410	03/24/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1902410	03/24/19	AOAC 991.14 (Petrifilm)	Χ
Mold	< LOQ		cfu/g	10	1902424	03/24/19	AOAC 2014.05 (RAPID)	Χ
Yeast	< LOQ		cfu/g	10	1902424	03/24/19	AOAC 2014.05 (RAPID)	Χ





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Pesticides	Method	AOAC	2007.01 & EN	15662 (mod)	Units mg/kg Batch 1	902543	Analy	ze 03/27/19 09:10 AM
Analyte	Result	Limits	LOQ Status	Notes	Analyte	Result	Limits	s 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		Etoxazol	< LOQ	0.20	0.100 pass
Fenoxycarb	< LOQ	0.20	0.100 pass		Fenpyroximat	< 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
lmazalil	< 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
Spiroxamin	< LOQ	0.40	0.200 pass		Tebuconazol	< 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	0.0489	1902493	03/25/19	AOAC 2013.06 (mod)	Х
Cadmium	< LOQ		mg/kg	0.0489	1902493	03/25/19	AOAC 2013.06 (mod)	X
Lead	< LOQ		mg/kg	0.0489	1902493	03/25/19	AOAC 2013.06 (mod)	X
Mercury	< LOQ		mg/kg	0.0245	1902493	03/25/19	AOAC 2013.06 (mod)	Χ





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Purchase Order:

ORELAP#:

Received: 03/22/19 09:42

OR100028

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

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.

Units of Measure

cfu/g = Colony forming units per gram
mg/kg = Milligram per kilogram
% = Percentage of sample
% wt = μg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner General Manager





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19-003076

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19-003076-00 03/27/2019

ORELAP#:

OR100028

Purchase Order:

Received:

03/22/19 09:42

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Company: My CBD Tes									А	nalys	is Re	ques	ted					OKLLA	PID: OR100028 Purchase Order Number:
Contact: Address: Fort Collins				spunodu			=												Project Number: Project Name:
mail: Phone(101)499-7136 Processor's License:	Fax:		OR 59 compounds	Pesticide Multi-Residue – 379 compounds		vents	ity			t and Mold	Micro: E.Coli and Total Coliform	S							Report Instructions: Send to State - METRC Email Final Results: Fax Final Results Cash/Check/CC/Net 30 Other:
Field ID	Date/Ti Collect	ime ted	Pesticides –	Pesticide M	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Col	Heavy Metals	Mycotoxins	Other	Matrix	Wei	ght	Serving size for edibles	Comments/Metrc ID
VI500NAT 398					×											30m	Vioz		Density 1.1
000000000000000000000000000000000000000																			l l l l l l l l l l l l l l l l l l l
TL500 390	*				X											30m	Moz		Density: 917
PC200 422			X		X					X	×	×				118 m		TOP.	
M1500 386					×											30m	Noz		Density: .933
TLS00 18309					×											30m	1/08		Density: 1917
100000000	7		6		X	Total State		ancer.				, -	The second second		pres and	20m	-		Density.
Collected By:	Relinquis	shed By:	:			Date		Time		Recei	ved by	<u>'</u> :			Date	3	Tin		Use Only:
□Standard (5 day)	0	ب	~	_		13/21/	119	∂.` ચ	0 9	1					3/	22/9	06	1-117 Cli	ent Alias: der Number:
□Rush (3-4 day)									//						10	7 .		Pro	per Container

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

Revision: 1.03 Control#: CF023 Effective 03/06/2019 Revised 03/06/2019 www.pixislabs.com www.columbiafoodlab.com Page 1 of 2 3 3. 22.19





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19-003076

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Report Date:

03/27/2019

ORELAP#:

Purchase Order:

OR100028

Danabaada

Received: 03/22/19 09:42

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Company: Nu ORT	Tow	4								Analy	sis Re	nuo	ted				ORELA	P ID: OR100028
Contact:	/ G	7	_					T	Τ.	1	1	T	T	Т				Purchase Order Number:
Address+ OF+ COll	ins (F	<u> </u>		compounds														Project Number:
Email:			1	npodu						8								Project Name:
Phone (201)499-1	32 Fax		₩ 	100				1			E			1 1				
Processor's	50. ux.		spunodwoo	-379							Coliform							☐ Report Instructions:☐ Send to State - METRO
License:			dwo	que.						9	al Co							☐ Email Final Results:
			59	Resi		55				δ	and Total							☐ Fax Final Results ☐ Cash/Check/CC/Net 30
			- OR	兽		lven	ity			and	j and	<u>s</u>					8	Other:
			des-	de N	>	al So	Activ	<u>е</u>	Sa	east	.Co	/leta	kins					other.
Field ID	Date	/Time	Pesticides	Pesticide Multi-Residue	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: E.Coli	Heavy Metals	Mycotoxins	er			Serving	
U 07 (1994) 97 U - FE	Colle	ected		P		Re	3	ğ	Tel	Σ	ğ	Не	My	Other	Matrix	Weight	size for edibles	Comments/Metrc ID
TVATISOO TO31	+	-	X		X					×	X	×				Ploz/300	ī	Density: 6933
TO 500 TO 19	_	-	×		×					×	X	X				102/30m		Density: 091
SGIO TOM			X		×					×	×	X				,5ml	0115	perising. FOT
																	11.2	
	-																	
									_									
Collected By:	Relinqu	uished E	By:			Date		Time		Recei	ved by:				Date	Tin		Use Only:
□Standard (5 day)	4)a	The said	\sim		0	3/21/	19	2:2)	_	0				2 6	0	A	t Alias:
□Rush (3-4 day)						0,47	•	0. (0.		7	1				777	My ol		r Number:
(1.5x Standard)							\neg			0					1000			er Container ble Condition
Priority Rush (2 day) (2x Standard)																		perature: (S. 2

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

Effective 03/06/2019 Revised 03/06/2019

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Page 1 of 2



C O L U M B I A
FOOD LABORATORIES, INC.

A Tentamus Company

12423 NE Whitaker Way Portland, OR 97230 503-254-1794



Columbia Food/Pixis Labs

Sample Receipt Form

Job Number: 19-003076

Report Number: 19-003076-00

Report Date: 03/27/2019

ORELAP#: OR100028

Purchase Order:

Revision: 0.01 Document Control: CF015 Revised: 04/19/2018 Effective: 04/19/2018

Received: 03/22/19 09:42

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

Job Number: Searce	ch Name:
Package/Cooler opened on (if different than received date/time)	Date: 03/03/1 Lime: 04:42
Received By (Initials):	
Were custody seals on outside of the package/cooler? If YES, how many and where?	YES NO NA
Were signature and date correct?	YES NO NA
2) Were custody papers included in the package/cooler?	VES NO NA
3) Were custody papers properly filled out (ink, sign, date)?	VES NO NA
4) Did you sign custody papers in the appropriate place?	YES NO NA
5) How was the package/cooler delivered?	
UPS FEDEX USPS CLIENT	COURIER OTHER:
Tracking Number (written in or copy of shipping label):	86 76260172
6) What kind of packing material was used?	
Peanuts Bubble Wrap Foam Paper Other:	
7) Was sufficient ice used (if appropriate)? What kind?	YES NO NA
Blue Ice Cooler Packs Dry Ice	Noce
3) Were all sample containers sealed in separate plastic bags?	YES (NO.) NA
D) Did all sample containers arrive in good condition?	YES NO NA
0) Were all sample container labels complete?	YES NO NA
1) Did all sample container labels and tags agree with the coc?	YES NO NA
2) Were correct sample containers used for the tests indicated?	YES NO NA
3) Were VOA vials checked for absence of air bubbles (note if for	und)? YES NO NA
4) Was a sufficient amount of sample sent in each sample contained	er? YES NO NA
5) Temperature of the samples upon receipt (See SOP for proper to	emps)
6) Sample location prior to login: R25 R39 R44	F44 Ambient Shelf Other: Clun Shelf
xplain any discrepancies:	
ge <u>3</u> of <u>3</u>	





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 19-003076-00

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Purchase Order:

ORELAP#:

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Laboratory Quality Control Results

J AOAC 2015	5 V98-6			Bat	ch ID: 1902533		
Laboratory C	ontrol Sample						
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00987	0.01	%	98.7	85 - 115	Acceptable	
CBDV	0.0104	0.01	%	104	85 - 115	Acceptable	
CBD-A	0.00962	0.01	%	96.2	85 - 115	Acceptable	
CBG-A	0.00987	0.01	%	98.7	85 - 115	Acceptable	
CBG	0.0104	0.01	%	104	85 - 115	Acceptable	
CBD	0.00979	0.01	%	97.9	85 - 115	Acceptable	
THCV	0.00975	0.01	%	97.5	85 - 115	Acceptable	
THCVA	0.00961	0.01	%	96.1	85 - 115	Acceptable	
CBN	0.0103	0.01	%	103	85 - 115	Acceptable	
THC	0.0100	0.01	%	100	85 - 115	Acceptable	
D8THC	0.00933	0.01	%	93.3	85 - 115	Acceptable	
CBL	0.00952	0.01	%	95.2	85 - 115	Acceptable	
CBC	0.0105	0.01	%	105	85 - 115	Acceptable	
THCA	0.00967	0.01	%	96.7	85 - 115	Acceptable	
CBCA	0.00911	0.01	%	91.1	85 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	ND	0.003	%	< 0.003	Acceptable	Notes
			,			
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: 190253	3	
Sample Dupli	cate				Sam	ple ID: 19-0029	73-0001	
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	0.0165	0.0163	0.003	%	1.22	< 20	Acceptable	
CBG-A	ND	ND	0.003	%	0	< 20	Acceptable	
CBG	0.00373	0.00369	0.003	%	1.08	< 20	Acceptable	
CBD	0.384	0.378	0.003	%	1.57	< 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	0.0146	0.0140	0.003	%	4.20	< 20	Acceptable	
D8THC	ND	ND	0.003	%	0	< 20	Acceptable	
CBL	ND	ND	0.003	%	0	< 20	Acceptable	
CBC	0.016	0.0159	0.003	%	0.627	< 20	Acceptable	
THCA	ND	ND	0.003	%	0	< 20	Acceptable	
CBCA	ND	ND	0.003	%	0	< 20	Acceptable	

Abbreviations

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Units of Measure:

% - Percent





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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: 19025	543
Method Blank				Laboratory Cor	ntrol Samp	ole		
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Acephate	ND I	< 0.200		0.886	1.000	88.6	70 - 130	T
Acequinocyl	ND	< 1.000		3.740	4.000	93.5	70 - 130	
Acetamiprid	ND.	< 0.100		0.376	0.400	94.0	70 - 130	
Aldicarb	ND	< 0.200		0.790	0.800	98.8	70 - 130	
Abamectin	ND ND	< 0.288		0.915	1.000	91.5	70 - 130	-
Azoxystrobin	ND ND	< 0.100		0.345	0.400	86.3	70 - 130	-
Bifenazate	ND ND	< 0.100		0.372	0.400	93.0	70 - 130	
Bifenthrin	ND ND	< 0.100		0.362	0.400	90.5	70 - 130	-
Boscalid	ND ND	< 0.100		0.724	0.800	90.5	70 - 130	-
Carbaryl	ND ND	< 0.100		0.405	0.400	101.3	70 - 130	-
Carbofuran	ND ND	< 0.100		0.365	0.400	91.3	70 - 130	
Chlorantraniliprol	ND ND	< 0.100		0.391	0.400	97.8	70 - 130	-
Chlorfenapyr	ND ND	< 1.000		1.820	2.000	91.0	70 - 130	
Chlorpyrifos	ND ND			0.353		88.3	70 - 130	
		< 0.100			0.400			
Clofentezine	ND ND	< 0.100		0.312	0.400	78.0	70 - 130	
Cyfluthrin	ND ND	< 1.000		1.910	2.000	95.5	30 - 150	
Cypermethrin	ND	< 1.000		1.810	2.000	90.5	70 - 130	
Daminozide	ND ND	< 1.000		0.514	2.000	25.7	30 - 150	Q
Diazinon	ND	< 0.100		0.370	0.400	92.5	70 - 130	
Dichlorvos	ND	< 0.500		1.900	2.000	95.0	70 - 130	
Dimethoat	ND	< 0.100		0.367	0.400	91.8	70 - 130	
Ethoprophos	ND	< 0.100		0.350	0.400	87.5	70 - 130	
Etofenprox	ND	< 0.100		0.722	0.800	90.3	70 - 130	
Etoxazol	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Fenoxycarb	ND	< 0.100		0.349	0.400	87.3	70 - 130	
Fenpyroximat	ND	< 0.100		0.718	0.800	89.8	70 - 130	
Fipronil	ND	< 0.100		0.797	0.800	99.6	70 - 130	
Flonicamid	ND ND	< 0.400		0.897	1.000	89.7	70 - 130	
Fludioxonil	ND	< 0.100		0.786	0.800	98.3	70 - 130	
Hexythiazox	ND	< 0.400		0.904	1.000	90.4	70 - 130	
Imazalil	ND	< 0.100		0.383	0.400	95.8	70 - 130	
Imidacloprid	ND	< 0.200		0.769	0.800	96.1	70 - 130	
Kresoxim-Methyl	ND	< 0.100		0.730	0.800	91.3	70 - 130	
Malathion	ND	< 0.100		0.373	0.400	93.3	70 - 130	
Metalaxyl	ND	< 0.100		0.350	0.400	87.5	70 - 130	
Methiocarb	ND ND	< 0.100		0.375	0.400	93.8	70 - 130	
Methomyl	ND	< 0.200		0.746	0.800	93.3	70 - 130	
MGK 264	ND	< 0.100		0.364	0.400	91.0	70 - 130	
Myclobutanil	ND	< 0.100		0.376	0.400	94.0	70 - 130	
Naled	ND	< 0.200		1.000	1.000	100.0	70 - 130	-
Oxamyl	ND	< 0.400		1.820	2.000	91.0	70 - 130	!
Paclobutrazol	ND ND	< 0.200		0.714	0.800	89.3	70 - 130	-
Parathion Methyl	ND ND	< 0.200		0.786	0.800	98.3	30 - 150	-
Permethrin	ND ND	< 0.100		0.348	0.400	87.0	70 - 130	
Phosmet	ND ND	< 0.100		0.407	0.400	101.8	70 - 130	-
Piperonyl butoxide	ND ND	< 1.000		1.960	2.000	98.0	70 - 130	-
Prallethrin	ND I	< 0.200		0.331	0.400	82.8	70 - 130	<u> </u>
Propiconazole	ND ND	< 0.200		0.730	0.400	91.3	70 - 130	-
Propiconazole	ND ND	< 0.100		0.730	0.400	92.8	70 - 130	-
Pyrethrins	ND ND	< 0.500		0.371	0.400	89.4	70 - 130	
Pyridaben	ND ND			0.254	0.284	93.5	70 - 130	-
		< 0.100				93.5		-
Spinosad	ND ND	< 0.100		0.380	0.388		70 - 130	
Spiromesifen	ND ND	< 0.100		0.359	0.400	89.8	70 - 130	
Spirotetramat	ND	< 0.100		0.371	0.400	92.8	70 - 130	
Spiroxamine	ND	< 0.100		0.728	0.800	91.0	70 - 130	
Tebuconazol	ND	< 0.200		0.725	0.800	90.6	70 - 130	
Thiacloprid	ND	< 0.100		0.367	0.400	91.8	70 - 130	
Thiamethoxam	ND	< 0.100		0.371	0.400	92.8	70 - 130	
Trifloxystrobin	ND	< 0.100		0.404	0.400	101.0	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 1	5662		Units:	mg/Kg				Batch	ID: 19025	43
Matrix Spike/Matrix	Spike Duplic	ate Reco	veries			S	ample ID:	19-00307	7-0003	
Analyte	Result	MS Res	MSD Res	Spike	RF	PD%	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.000	0.841	0.826	1.000	1.8	< 30	84.1	82.6	50 - 150	
Acequinocyl	0.000	5.340	5.290	4.000	0.9	< 30	133.5	132.3	50 - 150	
Acetamiprid	0.000	0.470	0.460	0.400	2.2	< 30	117.5	115.0	50 - 150	
Aldicarb	0.000	0.964	0.957	0.800	0.7	< 30	120.5	119.6	50 - 150	l
Abamectin	0.000	0.857	0.846	1.000	1.3	< 30	85.7	84.6	50 - 150	
Azoxystrobin	0.000	0.435	0.435	0.400	0.0	< 30	108.8	108.8	50 - 150	
Bifenazate	0.000	0.417	0.385	0.400	8.0	< 30	104.3	96.3	50 - 150	
Bifenthrin	0.000	0.465	0.484	0.400	4.0	< 30	116.3	121.0	50 - 150	
Boscalid	0.000	0.772	0.743	0.800	3.8	< 30	96.5	92.9	50 - 150	
Carbaryl	0.000	0.521	0.521	0.400	0.0	< 30	130.3	130.3	50 - 150	
Carbofuran	0.004	0.463	0.450	0.400	2.8	< 30	114.9	111.6	50 - 150	
Chlorantraniliprol	0.000	0.320	0.298	0.400	7.1	< 30	80.0	74.5	50 - 150	
Chlorfenapyr	0.031	2.240	1.830	2.000	20.1	< 30	110.4	89.9	50 - 150	
Chlorpyrifos	0.000	0.536	0.520	0.400	3.0	< 30	134.0	130.0	50 - 150	
Clofentezine	0.000	0.431	0.425	0.400	1.4	< 30	107.8	106.3	50 - 150	
Cyfluthrin	0.000	3.270	3.110	2.000	5.0	< 30	163.5	155.5	30 - 150	Q1
Cypermethrin	0.000	2.270	2.310	2.000	1.7	< 30	113.5	115.5	50 - 150	
Daminozide	0.000	0.812	0.816	2.000	0.5	< 30	40.6	40.8	30 - 150	
Diazinon	0.000	0.412	0.372	0.400	10.2	< 30	103.0	93.0	50 - 150	
Dichlorvos	0.000	2.340	2.240	2.000	4.4	< 30	117.0	112.0	50 - 150	
Dimethoat	0.000	0.467	0.447	0.400	4.4	< 30	116.8	111.8	50 - 150	
Ethoprophos	0.000	0.403	0.349	0.400	14.4	< 30	100.8	87.3	50 - 150	
tofenprox	0.009	0.908	0.901	0.800	0.8	< 30	112.4	111.5	50 - 150	
toxazol	0.000	0.493	0.436	0.400	12.3	< 30	123.3	109.0	50 - 150	
enoxycarb	0.000	0.383	0.384	0.400	0.3	< 30	95.8	96.0	50 - 150	
enpyroximat	0.008	0.761	0.811	0.800	6.4	< 30	94.1	100.3	50 - 150	
ipronil	0.000	1.050	1.050	0.800	0.0	< 30	131.3	131.3	50 - 150	
lonicamid	0.000	0.872	0.870	1.000	0.2	< 30	87.2	87.0	50 - 150	
ludioxonil	0.000	0.618	0.584	0.800	5.7	< 30	77.3	73.0	50 - 150	
łexythiazox	0.000	2.090	2.100	1.000	0.5	< 30	209.0	210.0	50 - 150	Q1
mazalil	0.000	0.509	0.487	0.400	4.4	< 30	127.3	121.8	50 - 150	
midacloprid	0.000	0.582	0.576	0.800	1.0	< 30	72.8	72.0	50 - 150	
Kresoxim-Methyl	0.000	0.882	0.851	0.800	3.6	< 30	110.3	106.4	50 - 150	
Malathion	0.000	0.476	0.428	0.400	10.6	< 30	119.0	107.0	50 - 150	
Metalaxyl	0.000	0.467	0.462	0.400	1.1	< 30	116.8	115.5	50 - 150	
Methiocarb	0.000	0.402	0.361	0.400	10.7	< 30	100.5	90.3	50 - 150	
Methomyl	0.000	0.762	0.749	0.800	1.7	< 30	95.3	93.6	50 - 150	
MGK 264	0.000	0.382	0.379	0.400	0.8	< 30	95.5	94.8	50 - 150	
Myclobutanil	0.000	0.346	0.342	0.400	1.2	< 30	86.5	85.5	50 - 150	
Naled	0.000	1.310	1.280	1.000	2.3	< 30	131.0	128.0	50 - 150	
Oxamyl	0.000	1.820	1.780	2.000	2.2	< 30	91.0	89.0	50 - 150	
Paclobutrazol	0.000	0.739	0.690	0.800	6.9	< 30	92.4	86.3	50 - 150	
Parathion Methyl	0.000	0.851	0.936	0.800	9.5	< 30	106.4	117.0	30 - 150	
Permethrin	0.000	0.390	0.413	0.400	5.7	< 30	97.5	103.3	50 - 150	
Phosmet	0.000	0.444	0.454	0.400	2.2	< 30	111.0	113.5	50 - 150	
Piperonyl butoxide	0.000	2.160	2.050	2.000	5.2	< 30	108.0	102.5	50 - 150	
Prallethrin	0.001	0.538	0.505	0.400	6.3	< 30	134.3	126.1	50 - 150	
Propiconazole	0.000	0.777	0.790	0.800	1.7	< 30	97.1	98.8	50 - 150	
ropoxur	0.000	0.509	0.502	0.400	1.4	< 30	127.3	125.5	50 - 150	
yrethrins	0.000	0.268	0.267	0.284	0.4	< 30	94.4	94.0	50 - 150	
Pyridaben	0.000	0.652	0.655	0.400	0.5	< 30	163.0	163.8	50 - 150	Q1
pinosad	0.000	0.462	0.456	0.388	1.3	< 30	119.1	117.5	50 - 150	
piromesifen	0.000	0.581	0.566	0.400	2.6	< 30	145.3	141.5	50 - 150	
pirotetramat	0.000	0.246	0.248	0.400	0.8	< 30	61.5	62.0	50 - 150	
piroxamine	0.000	0.836	0.825	0.800	1.3	< 30	104.5	103.1	50 - 150	
ebuconazol	0.000	0.752	0.746	0.800	0.8	< 30	94.0	93.3	50 - 150	
hiacloprid	0.000	0.454	0.432	0.400	5.0	< 30	113.5	108.0	50 - 150	
Thiamethoxam	0.000	0.368	0.371	0.400	0.8	< 30	92.0	92.8	50 - 150	
rifloxystrobin	0.075	0.505	0.483	0.400	3.5	< 30	107.6	102.1	50 - 150	





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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.