



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



Report Number: 22-006912/D006.R001
Report Date: 11/09/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/14/22 10:30

This is an amended version of report# 22-006912/D006.R000.
 Reason: Updated reporting units.

Customer: Lifted Made
Product identity: Strawberry Tangelo BL-Puck 1472022LDB000421 10mg D9
Client/Metric ID: 20 servings per package; 1.875g per serving
Laboratory ID: 22-006912-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	
Δ8-THC	0.0230		%		THC-Total per Serving Size 5.06 mg/1.88g
Δ9-THC	0.270		%		
Analyte per 1.88g	Result	Limits	Units	Status	CBD-Total per Serving Size <LOQ
Δ8-THC per 1.88g	0.431		mg/1.88g		
Δ9-THC per 1.88g	5.06		mg/1.88g		THC-Total per Serving Size 101 mg/37.5g
Analyte per 37.5g	Result	Limits	Units	Status	CBD-Total per Serving Size <LOQ
Δ8-THC per 37.5g	8.63		mg/37.5g		
Δ9-THC per 37.5g	101		mg/37.5g		(Reported in milligrams per serving)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Analyte	Result	Units	Limit	Status
Lead	0.0254	mg/kg	0.500	pass

Microbiology:

Less than LOQ for all analytes.



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Customer: Lifted Made
 5511 95th Ave.
 Kenosha Wisconsin 53144
 United States of America (USA)

Product identity: Strawberry Tangelo BL-Puck 1472022LDB000421 10mg D9
Client/Metric ID: 20 servings per package; 1.875g per serving
Sample Date:
Laboratory ID: 22-006912-0001
Evidence of Cooling: No
Temp: 19.9 °C
Relinquished by: UPS
Serving Size #1: 1.875 g
Serving Size #2: 37.5 g

Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod) ^b	Units %	Batch: 2205157	Analyze: 6/15/22 9:52:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD	< LOQ		%	0.00322	
CBD-A	< LOQ		%	0.00322	
CBD-Total	< LOQ		%	0.00605	
CBG	< LOQ		%	0.00322	
CBG-A	< LOQ		%	0.00322	
CBG-Total	< LOQ		%	0.00602	
CBN	< LOQ		%	0.00322	
Δ8-THC	0.0230		%	0.00322	
Δ9-THC	0.270		%	0.00322	
THC-A	< LOQ		%	0.00322	
THC-Total	0.270		%	0.00605	
Total Cannabinoids	0.293		%		

Potency per 1.88g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2205157	Analyze: 6/15/22 9:52:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes
CBD per 1.88g	< LOQ		mg/1.88g	0.121	
CBD-A per 1.88g	< LOQ		mg/1.88g	0.121	
CBD-Total per 1.88g	< LOQ		mg/1.88g	0.227	
CBG per 1.88g	< LOQ		mg/1.88g	0.121	
CBG-A per 1.88g	< LOQ		mg/1.88g	0.121	
CBG-Total per 1.88g	< LOQ		mg/1.88g	0.226	
CBN per 1.88g	< LOQ		mg/1.88g	0.121	
Δ8-THC per 1.88g	0.431		mg/1.88g	0.0604	
Δ9-THC per 1.88g	5.06		mg/1.88g	0.0604	
THC-A per 1.88g	< LOQ		mg/1.88g	0.121	
THC-Total per 1.88g	5.06		mg/1.88g	0.113	

Potency per 37.5g	Method: J AOAC 2015 V98-6 (mod) ^b	Units mg/se	Batch: 2205157	Analyze: 6/15/22 9:52:00 PM	
Analyte	Result	Limits	Units	LOQ	Notes



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Potency per 37.5g Method: J AOAC 2015 V98-6 (mod)^P Units mg/se Batch: 2205157 Analyze: 6/15/22 9:52:00 PM

Analyte	Result	Limits	Units	LOQ	Notes
CBD per 37.5g	< LOQ		mg/37.5g	1.21	
CBD-A per 37.5g	< LOQ		mg/37.5g	1.21	
CBD-Total per 37.5g	< LOQ		mg/37.5g	2.27	
CBG per 37.5g	< LOQ		mg/37.5g	1.21	
CBG-A per 37.5g	< LOQ		mg/37.5g	1.21	
CBG-Total per 37.5g	< LOQ		mg/37.5g	2.26	
CBN per 37.5g	< LOQ		mg/37.5g	1.21	
Δ8-THC per 37.5g	8.63		mg/37.5g	1.21	
Δ9-THC per 37.5g	101		mg/37.5g	1.21	
THC-A per 37.5g	< LOQ		mg/37.5g	1.21	
THC-Total per 37.5g	101		mg/37.5g	2.27	

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2205098	06/17/22 AOAC 990.12 (Petrifilm) ^P		X
E.coli	< LOQ		cfu/g	10	2205096	06/17/22 AOAC 991.14 (Petrifilm) ^P		X
Total Coliforms	< LOQ		cfu/g	10	2205096	06/17/22 AOAC 991.14 (Petrifilm) ^P		X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2205097	06/18/22 AOAC 2014.05 (RAPID) ^P		X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2205097	06/18/22 AOAC 2014.05 (RAPID) ^P		X

Solvents Method: Residual Solvents by GC/MS^P Units µg/g Batch 2205275 Analyze 06/21/22 10:18 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< 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	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< 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 benzene	< LOQ	2170	600	pass	



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Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod) ^b											
Units mg/kg Batch 2205215 Analyze 06/17/22 04:34 PM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin [¥]	< LOQ	0.50	0.250	pass		Acephate [¥]	< LOQ	0.40	0.250	pass	
Acequinocyl [¥]	< LOQ	2.0	1.00	pass		Acetamidprid [¥]	< LOQ	0.20	0.100	pass	
Aldicarb [¥]	< LOQ	0.40	0.200	pass		Azoxystrobin [¥]	< LOQ	0.20	0.100	pass	
Bifentazate [¥]	< LOQ	0.20	0.100	pass		Bifenthrin [¥]	< LOQ	0.20	0.100	pass	
Boscalid [¥]	< LOQ	0.40	0.200	pass		Carbaryl [¥]	< LOQ	0.20	0.100	pass	
Carbofuran [¥]	< LOQ	0.20	0.100	pass		Chlorantraniliprole [¥]	< LOQ	0.20	0.100	pass	
Chlorfenapyr [¥]	< LOQ	1.0	0.500	pass		Chlorpyrifos [¥]	< LOQ	0.20	0.100	pass	
Clofentezine [¥]	< LOQ	0.20	0.100	pass		Cyfluthrin [¥]	< LOQ	1.0	0.500	pass	
Cypermethrin [¥]	< LOQ	1.0	0.500	pass		Daminozide [¥]	< LOQ	1.0	0.500	pass	
Diazinon [¥]	< LOQ	0.20	0.100	pass		Dichlorvos [¥]	< LOQ	1.0	0.500	pass	
Dimethoate [¥]	< LOQ	0.20	0.100	pass		Ethoprophos [¥]	< LOQ	0.20	0.100	pass	
Etofenprox [¥]	< LOQ	0.40	0.200	pass		Etoazole [¥]	< LOQ	0.20	0.100	pass	
Fenoxycarb [¥]	< LOQ	0.20	0.100	pass		Fenpyroximate [¥]	< LOQ	0.40	0.200	pass	
Fipronil [¥]	< LOQ	0.40	0.200	pass		Flonicamid [¥]	< LOQ	1.0	0.400	pass	
Fludioxonil [¥]	< LOQ	0.40	0.200	pass		Hexythiazox [¥]	< LOQ	1.0	0.400	pass	
Imazalil [¥]	< LOQ	0.20	0.100	pass		Imidacloprid [¥]	< LOQ	0.40	0.200	pass	
Kresoxim-methyl [¥]	< LOQ	0.40	0.200	pass		Malathion [¥]	< LOQ	0.20	0.100	pass	
Metalaxyl [¥]	< LOQ	0.20	0.100	pass		Methiocarb [¥]	< LOQ	0.20	0.100	pass	
Methomyl [¥]	< LOQ	0.40	0.200	pass		MGK-264 [¥]	< LOQ	0.20	0.100	pass	
Myclobutanil [¥]	< LOQ	0.20	0.100	pass		Naled [¥]	< LOQ	0.50	0.250	pass	
Oxamyl [¥]	< LOQ	1.0	0.500	pass		Paclobutrazole [¥]	< LOQ	0.40	0.200	pass	
Parathion-Methyl [¥]	< LOQ	0.20	0.200	pass		Permethrin [¥]	< LOQ	0.20	0.100	pass	
Phosmet [¥]	< LOQ	0.20	0.100	pass		Piperonyl butoxide [¥]	< LOQ	2.0	1.00	pass	
Prallethrin [¥]	< LOQ	0.20	0.200	pass		Propiconazole [¥]	< LOQ	0.40	0.200	pass	
Propoxur [¥]	< LOQ	0.20	0.100	pass		Pyrethrin I (total) [¥]	< LOQ	1.0	0.500	pass	
Pyridaben [¥]	< LOQ	0.20	0.100	pass		Spinosad [¥]	< LOQ	0.20	0.100	pass	
Spiromesifen [¥]	< LOQ	0.20	0.100	pass		Spirotetramat [¥]	< LOQ	0.20	0.100	pass	
Spiroxamine [¥]	< LOQ	0.40	0.200	pass		Tebuconazole [¥]	< LOQ	0.40	0.200	pass	
Thiacloprid [¥]	< LOQ	0.20	0.100	pass		Thiamethoxam [¥]	< LOQ	0.20	0.100	pass	
Trifloxystrobin [¥]	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Arsenic	< LOQ	0.200	mg/kg	0.0187	2205152	06/15/22 AOAC 2013.06 (mod.) ^b	pass	X		
Cadmium	< LOQ	0.200	mg/kg	0.0187	2205152	06/15/22 AOAC 2013.06 (mod.) ^b	pass	X		
Lead	0.0254	0.500	mg/kg	0.0187	2205152	06/15/22 AOAC 2013.06 (mod.) ^b	pass	X		
Mercury	< LOQ	0.100	mg/kg	0.00934	2205152	06/15/22 AOAC 2013.06 (mod.) ^b	pass	X		



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

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

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.

Ⓟ = ISO/IEC 17025:2017 accredited method.

Ⓢ = TNI accredited analyte.

Units of Measure

cfu/g = Colony forming units per gram

g = g

µg/g = Microgram per gram

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

mg/1.88g = Milligram per 1.88g

mg/37.5g = Milligram per 37.5g

% = 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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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

JAOAC2015 V986									
Batch ID: 2205157									
Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	1	0.0345	0.033	%	104	80.0	- 120	Acceptable	
CBDV	1	0.0371	0.033	%	111	80.0	- 120	Acceptable	
CBE	1	0.0336	0.033	%	101	80.0	- 120	Acceptable	
CBDA	1	0.0356	0.033	%	107	90.0	- 110	Acceptable	
CBGA	1	0.0338	0.033	%	101	80.0	- 120	Acceptable	
CBG	1	0.0336	0.033	%	101	80.0	- 120	Acceptable	
CBD	1	0.0354	0.033	%	106	90.0	- 110	Acceptable	
THCV	1	0.0336	0.033	%	101	80.0	- 120	Acceptable	
d8THCV	1	0.0354	0.033	%	106	80.0	- 120	Acceptable	
THCVA	1	0.0334	0.033	%	100	80.0	- 120	Acceptable	
CBN	1	0.0334	0.033	%	100	90.0	- 110	Acceptable	
exo-THC	1	0.0315	0.033	%	94.4	80.0	- 120	Acceptable	
d9THC	1	0.0327	0.033	%	98.0	90.0	- 110	Acceptable	
d8THC	1	0.0309	0.033	%	92.8	80.0	- 120	Acceptable	
CBL	1	0.0304	0.033	%	91.1	80.0	- 120	Acceptable	
CBC	1	0.0328	0.033	%	98.4	80.0	- 120	Acceptable	
THCA	1	0.0355	0.033	%	107	90.0	- 110	Acceptable	
CBCA	1	0.0334	0.033	%	100	80.0	- 120	Acceptable	
CBLA	1	0.0310	0.033	%	92.9	80.0	- 120	Acceptable	
CBT	1	0.0288	0.033	%	86.4	80.0	- 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBDV	<LOQ	0.003	%	< 0.003	Acceptable	
CBE	<LOQ	0.003	%	< 0.003	Acceptable	
CBDA	<LOQ	0.003	%	< 0.003	Acceptable	
CBGA	<LOQ	0.003	%	< 0.003	Acceptable	
CBG	<LOQ	0.003	%	< 0.003	Acceptable	
CBD	<LOQ	0.003	%	< 0.003	Acceptable	
THCV	<LOQ	0.003	%	< 0.003	Acceptable	
d8THCV	<LOQ	0.003	%	< 0.003	Acceptable	
THCVA	<LOQ	0.003	%	< 0.003	Acceptable	
CBN	<LOQ	0.003	%	< 0.003	Acceptable	
exo-THC	<LOQ	0.003	%	< 0.003	Acceptable	
d9THC	<LOQ	0.003	%	< 0.003	Acceptable	
d8THC	<LOQ	0.003	%	< 0.003	Acceptable	
CBL	<LOQ	0.003	%	< 0.003	Acceptable	
CBC	<LOQ	0.003	%	< 0.003	Acceptable	
THCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBCA	<LOQ	0.003	%	< 0.003	Acceptable	
CBLA	<LOQ	0.003	%	< 0.003	Acceptable	
CBT	<LOQ	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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Laboratory Quality Control Results

JAOAC2015 V986		Batch ID: 2205157						
Sample Duplicate		Sample ID: 22-006890-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	0.0031	0.0034	0.003	%	8.01	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBD	0.600	0.650	0.003	%	8.03	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	0.0036	0.0039	0.003	%	7.48	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0067	0.0072	0.003	%	7.00	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0039	0.0043	0.003	%	9.65	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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Revision: 3 Document ID: 3120
 LegacyID: CFLC21WorksheetValidated 10/30/2020

Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662		Units: mg/Kg			Batch ID 2205215			
Method Blank	Blank Result	Blank Limits	Notes	LCS Result	LCS Spke	LCS% Re	Limits	Notes
Abamectin	0.00	< 0.250		0.980	1.000	98.0	50.0	150
Acephate	0.00	< 0.250		0.898	1.000	89.8	60.0	120
Acequinocyl	0.00	< 1.000		3.041	4.000	76.0	40.0	160
Acetamiprid	0.00	< 0.100		0.386	0.400	91.5	60.0	120
Aldicarb	0.00	< 0.200		0.733	0.800	91.6	60.0	120
Azoxystrobin	0.00	< 0.100		0.368	0.400	92.1	60.0	120
Bfenazate	0.00	< 0.100		0.383	0.400	90.7	60.0	120
Bifenthrin	0.00	< 0.100		0.321	0.400	80.1	50.0	150
Boscalid	0.00	< 0.200		0.686	0.800	85.7	60.0	120
Carbaryl	0.00	< 0.100		0.366	0.400	91.6	60.0	120
Carbofuran	0.00	< 0.100		0.355	0.400	88.7	60.0	120
Chlorantraniliprole	0.00	< 0.100		0.350	0.400	87.5	60.0	120
Chlorfenapyr	0.00	< 0.500		2.131	2.000	106.6	60.0	120
Chlorpyrifos	0.00	< 0.100		0.398	0.400	99.5	60.0	120
Clofentezane	0.00	< 0.100		0.159	0.400	39.8	60.0	120
Cyfluthrin	0.00	< 0.500		1.928	2.000	96.4	50.0	150
Cypermethrin	0.00	< 0.500		1.849	2.000	92.5	50.0	150
Daminozide	0.011	< 0.500		0.627	2.000	31.4	60.0	120
Diazinon	0.00	< 0.100		0.388	0.400	91.9	60.0	120
Dichlorvos	0.00	< 0.500		2.086	2.000	103.3	60.0	120
Dimethoate	0.00	< 0.100		0.378	0.400	94.6	60.0	120
Ethiofoprofos	0.00	< 0.100		0.364	0.400	90.9	60.0	120
Etofenprox	0.00	< 0.200		0.687	0.800	85.9	50.0	150
Etoxazole	0.00	< 0.100		0.393	0.400	98.1	60.0	120
Fenoxycarb	0.00	< 0.100		0.353	0.400	88.2	60.0	120
Fenproximate	0.00	< 0.200		0.755	0.800	94.4	60.0	120
Fipronil	0.00	< 0.200		0.663	0.800	82.9	60.0	120
Fonicamid	0.00	< 0.250		0.898	1.000	89.8	60.0	120
Fludioxonil	0.00	< 0.200		0.793	0.800	99.1	50.0	150
Hexythiazox	0.00	< 0.250		0.978	1.000	97.8	60.0	120
Imazail	0.00	< 0.100		0.286	0.400	66.4	60.0	120
Imidacloprid	0.00	< 0.200		0.730	0.800	91.2	60.0	120
Kiesoxim-methyl	0.00	< 0.200		0.733	0.800	91.6	60.0	120
Malathion	0.00	< 0.100		0.357	0.400	89.3	60.0	120
Metaxyl	0.009	< 0.100		0.353	0.400	88.3	60.0	120
Methiocarb	0.00	< 0.100		0.363	0.400	90.7	60.0	120
Methomyl	0.00	< 0.200		0.745	0.800	93.1	60.0	120
MCK-264	0.00	< 0.100		0.389	0.400	92.3	50.0	150
Myclobutani	0.00	< 0.100		0.375	0.400	93.7	60.0	120
Naled	0.00	< 0.250		0.386	1.000	38.6	50.0	150
Oxamyl	0.00	< 0.500		1.728	2.000	86.4	60.0	120
Padobutrazole	0.00	< 0.200		0.711	0.800	88.9	60.0	120
Parathion-Methyl	0.00	< 0.200		0.597	0.800	74.6	50.0	150
Permethrin	0.00	< 0.100		0.370	0.400	92.5	50.0	150
Phosmet	0.00	< 0.100		0.346	0.400	86.6	50.0	150
Piperonyl butoxide	0.035	< 0.500		1.887	2.000	94.3	60.0	120
Prallethrin	0.00	< 0.100		0.366	0.400	91.4	60.0	120
Propiconazole	0.00	< 0.200		0.706	0.800	88.2	60.0	120
Propoxur	0.003	< 0.100		0.372	0.400	93.0	60.0	120
Pyrethrin (Summe)	0.016	< 0.100		0.418	0.413	101.3	60.0	120
Pyridaben	0.00	< 0.100		0.376	0.400	94.1	50.0	150
Spirosad	0.00	< 0.100		0.402	0.388	103.7	50.0	150
Spiromesfen	0.00	< 0.100		0.394	0.400	98.5	60.0	120
Spirotetramat	0.00	< 0.100		0.398	0.400	89.5	60.0	120
Spiroxamine	0.00	< 0.200		0.707	0.800	88.4	60.0	120
Tebuconazole	0.00	< 0.200		0.721	0.800	90.1	60.0	120
Thiadoprid	0.00	< 0.100		0.358	0.400	89.5	60.0	120
Thiamethoxam	0.00	< 0.100		0.331	0.400	82.8	60.0	120
Trifloxystrobin	0.00	< 0.100		0.371	0.400	92.8	60.0	120



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Laboratory Pesticide Quality Control Results

AOAC2007.1 & EN 15662										
Units: mg/Kg										Batch ID 2205215
Matrix Spke/Matrix Spke Duplicate Recoveries	Result	MS Res	MSD Res	Spike	PPD%	Limit	MS % Re	MSD % Re	Limits	Notes
Abamectin	0.00	1.166	1.248	1.000	6.8%	< 30	116.6%	124.8%	50 - 150	
Acephate	0.00	1.214	1.224	1.000	0.8%	< 30	121.4%	122.4%	50 - 150	
Acoquinocyl	0.00	4.787	4.899	4.000	2.3%	< 30	119.7%	122.5%	50 - 150	
Acetamiprid	0.00	0.490	0.502	0.400	2.4%	< 30	122.5%	125.5%	50 - 150	
Aldicarb	0.00	0.903	0.934	0.800	3.4%	< 30	112.8%	116.7%	50 - 150	
Azoxystrobin	0.204	0.709	0.744	0.400	6.6%	< 30	126.4%	135.0%	50 - 150	
Bifenazate	0.00	0.463	0.476	0.400	2.8%	< 30	115.8%	119.1%	50 - 150	
Bifenthrin	0.028	0.377	0.391	0.400	3.7%	< 30	87.4%	90.7%	50 - 150	
Boscalid	0.00	0.985	0.989	0.800	0.4%	< 30	123.1%	123.6%	50 - 150	
Carbaryl	0.00	0.487	0.494	0.400	1.3%	< 30	121.9%	123.4%	50 - 150	
Carbofuran	0.00	0.527	0.547	0.400	3.8%	< 30	131.7%	136.8%	50 - 150	
Chlorantraniliprole	0.00	0.368	0.383	0.400	3.9%	< 30	92.0%	95.8%	50 - 150	
Chlorfenapyr	0.00	3.969	3.864	2.000	2.7%	< 30	198.4%	193.2%	50 - 150	Q
Chlorpyrifos	0.00	0.725	0.752	0.400	3.7%	< 30	181.2%	188.0%	50 - 150	Q
Clofentezine	0.00	0.380	0.366	0.400	3.7%	< 30	95.0%	91.8%	50 - 150	
Cyfluthrin	0.00	1.982	1.914	2.000	2.5%	< 30	98.1%	95.7%	30 - 150	
Cypermethrin	0.00	2.039	2.087	2.000	2.3%	< 30	102.0%	104.3%	50 - 150	
Daminozide	0.011	1.116	1.156	2.000	3.6%	< 30	55.2%	57.2%	30 - 150	
Diazinon	0.00	0.461	0.476	0.400	3.1%	< 30	115.3%	119.0%	50 - 150	
Dichlorvos	0.00	2.255	2.310	2.000	2.4%	< 30	112.8%	115.5%	50 - 150	
Dimethoate	0.00	0.503	0.514	0.400	2.2%	< 30	125.6%	128.4%	50 - 150	
Ethionphos	0.00	0.462	0.477	0.400	3.1%	< 30	115.6%	119.2%	50 - 150	
Etofenprox	0.00	1.603	1.685	0.800	5.0%	< 30	200.3%	210.7%	50 - 150	Q
Etoxazole	0.00	0.772	0.800	0.400	3.5%	< 30	193.0%	199.9%	50 - 150	Q
Fenoxycarb	0.00	0.456	0.475	0.400	4.0%	< 30	114.1%	118.8%	50 - 150	
Fenpyroximate	0.00	0.987	1.033	0.800	4.5%	< 30	123.4%	129.1%	50 - 150	
Fipronil	0.00	1.083	1.113	0.800	2.7%	< 30	135.4%	139.1%	50 - 150	
Fonicamid	0.00	0.879	0.904	1.000	2.8%	< 30	87.9%	90.4%	50 - 150	
Fludioxonil	0.158	0.976	1.009	0.800	3.9%	< 30	102.3%	106.3%	50 - 150	
Hexythiazox	0.00	2.025	2.119	1.000	4.5%	< 30	202.6%	211.9%	50 - 150	Q
Imazalil	0.00	0.340	0.356	0.400	4.6%	< 30	84.9%	88.9%	50 - 150	
Imidacloprid	0.00	0.606	0.632	0.800	4.3%	< 30	75.7%	79.0%	50 - 150	
Kiesoxim-methyl	0.00	0.989	1.041	0.800	5.1%	< 30	123.6%	130.1%	50 - 150	
Malathion	0.00	0.517	0.525	0.400	1.6%	< 30	129.3%	131.4%	50 - 150	
Metaxyl	0.00	0.425	0.432	0.400	1.6%	< 30	106.3%	108.0%	50 - 150	
Methiocarb	0.00	0.425	0.435	0.400	2.7%	< 30	106.1%	109.0%	50 - 150	
Methomyl	0.00	0.716	0.829	0.800	14.6%	< 30	89.5%	103.6%	50 - 150	
MCK-264	0.00	0.406	0.414	0.400	2.0%	< 30	101.4%	103.5%	50 - 150	
Mydobutani	0.00	0.442	0.467	0.400	5.7%	< 30	110.4%	116.8%	50 - 150	
Naled	0.00	1.139	1.165	1.000	2.3%	< 30	113.9%	116.5%	50 - 150	
Oxamyl	0.00	1.834	2.065	2.000	11.9%	< 30	91.7%	103.3%	50 - 150	
Padobutrazole	0.00	0.924	0.932	0.800	0.9%	< 30	115.4%	116.5%	50 - 150	
Parathion-Methyl	0.00	1.230	1.201	0.800	2.4%	< 30	153.7%	150.1%	30 - 150	Q
Permethrin	0.00	0.525	0.533	0.400	1.6%	< 30	131.2%	133.3%	50 - 150	
Phosmet	0.00	0.472	0.485	0.400	2.8%	< 30	117.9%	121.3%	50 - 150	
Piperonyl butoxide	0.059	2.225	2.303	2.000	3.5%	< 30	108.4%	112.2%	50 - 150	
Prallethrin	0.00	0.352	0.360	0.400	2.4%	< 30	87.9%	90.1%	50 - 150	
Propiconazole	0.315	1.455	1.516	0.800	5.2%	< 30	142.6%	150.2%	50 - 150	Q
Propoxur	0.00	0.504	0.510	0.400	1.2%	< 30	125.9%	127.4%	50 - 150	
Pyrethrin (Summe)	0.00	0.594	0.618	0.413	4.0%	< 30	143.7%	149.6%	50 - 150	
Pyridaben	0.00	0.746	0.779	0.400	4.3%	< 30	186.4%	194.7%	50 - 150	Q
Spiromesfen	0.00	0.627	0.654	0.388	4.2%	< 30	161.7%	168.6%	50 - 150	Q
Spiromesfen	0.00	0.766	0.792	0.400	3.4%	< 30	191.5%	198.0%	50 - 150	Q
Spirotetramat	0.00	0.383	0.393	0.400	2.7%	< 30	95.8%	98.4%	50 - 150	
Spiroxamine	0.00	0.873	0.912	0.800	4.4%	< 30	109.1%	114.0%	50 - 150	
Tebuconazole	0.00	0.948	0.982	0.800	3.5%	< 30	118.5%	122.7%	50 - 150	
Thiadoprid	0.00	0.481	0.498	0.400	3.3%	< 30	120.3%	124.4%	50 - 150	
Thiamethoxam	0.00	0.330	0.362	0.400	9.2%	< 30	82.8%	90.8%	50 - 150	
Trifloxystrobin	0.010	0.646	0.664	0.400	3.0%	< 30	158.6%	163.5%	50 - 150	Q



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Laboratory Quality Control Results

Residual Solvents				Batch ID: 2205275					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		497	572	µg/g	86.9	60 - 120	
Isobutane	ND	< 200		654	731	µg/g	89.5	60 - 120	
Butane	ND	< 200		610	731	µg/g	83.4	60 - 120	
2,2-Dimethylpropane	ND	< 200		750	936	µg/g	80.1	60 - 120	
Methanol	ND	< 200		1230	1650	µg/g	74.5	60 - 120	
Ethylene Oxide	ND	< 30		50.9	56.2	µg/g	90.6	60 - 120	
2-Methylbutane	ND	< 200		1240	1620	µg/g	76.5	60 - 120	
Pentane	ND	< 200		1240	1610	µg/g	77.0	60 - 120	
Ethanol	ND	< 200		1220	1620	µg/g	75.3	70 - 130	
Ethyl Ether	ND	< 200		1290	1600	µg/g	80.6	60 - 120	
2,2-Dimethylbutane	ND	< 30		134	167	µg/g	80.2	60 - 120	
Acetone	ND	< 200		1300	1620	µg/g	80.2	60 - 120	
2-Propanol	ND	< 200		1250	1610	µg/g	77.6	60 - 120	
Ethyl Formate	ND	< 500		1630	1620	µg/g	100.6	70 - 130	
Acetonitrile	ND	< 100		492	635	µg/g	77.5	60 - 120	
Methyl Acetate	ND	< 500		1700	1630	µg/g	104.3	70 - 130	
2,3-Dimethylbutane	ND	< 30		131	177	µg/g	74.0	60 - 120	
Dichloromethane	ND	< 60		441	498	µg/g	88.6	60 - 120	
2-Methylpentane	ND	< 30		136	166	µg/g	81.9	60 - 120	
MTBE	ND	< 500		1750	1600	µg/g	109.4	70 - 130	
3-Methylpentane	ND	< 30		138	175	µg/g	78.9	60 - 120	
Hexane	ND	< 30		140	174	µg/g	80.5	60 - 120	
1-Propanol	ND	< 500		1490	1620	µg/g	92.0	70 - 130	
Methyl ethyl ketone	ND	< 500		1610	1600	µg/g	100.6	70 - 130	
Ethyl acetate	ND	< 200		1230	1610	µg/g	76.4	60 - 120	
2-Butanol	ND	< 200		1260	1620	µg/g	77.8	60 - 120	
Tetrahydrofuran	ND	< 100		375	507	µg/g	74.0	60 - 120	
Cyclohexane	ND	< 200		1320	1610	µg/g	82.0	60 - 120	
2-methyl-1-propanol	ND	< 500		1670	1640	µg/g	101.8	70 - 130	
Benzene	ND	< 1		4.12	5.22	µg/g	78.9	60 - 120	
Isopropyl Acetate	ND	< 200		1250	1610	µg/g	77.6	60 - 120	
Heptane	ND	< 200		1230	1610	µg/g	76.4	60 - 120	
1-Butanol	ND	< 500		1850	1610	µg/g	114.9	70 - 130	
Propyl Acetate	ND	< 500		1740	1610	µg/g	108.1	70 - 130	
1,4-Dioxane	ND	< 100		434	508	µg/g	85.4	60 - 120	
2-Ethoxyethanol	ND	< 30		122	165	µg/g	73.9	60 - 120	
Methylisobutylketone	ND	< 500		1600	1610	µg/g	99.4	70 - 130	
3-Methyl-1-butanol	ND	< 500		1830	1600	µg/g	114.4	70 - 130	
Ethylene Glycol	ND	< 200		494	492	µg/g	100.4	60 - 120	
Toluene	ND	< 100		412	497	µg/g	82.9	60 - 120	
Isobutyl Acetate	ND	< 500		1730	1610	µg/g	107.5	70 - 130	
1-Pentanol	ND	< 500		1730	1600	µg/g	108.1	70 - 130	
Butyl Acetate	ND	< 500		1690	1610	µg/g	105.0	70 - 130	
Ethylbenzene	ND	< 200		823	980	µg/g	84.6	60 - 120	
m,p-Xylene	ND	< 200		832	985	µg/g	84.5	60 - 120	
o-Xylene	ND	< 200		821	965	µg/g	85.1	60 - 120	
Cumene	ND	< 30		146	168	µg/g	86.9	60 - 120	
Anisole	ND	< 500		1830	1600	µg/g	114.4	70 - 130	
DMSO	ND	< 500		1550	1610	µg/g	96.3	70 - 130	
1,2-dimethoxyethane	ND	< 50		177	165	µg/g	107.3	70 - 130	
Triethylamine	ND	< 500		1700	1620	µg/g	104.9	70 - 130	
N,N-dimethylformamide	ND	< 150		503	481	µg/g	104.6	70 - 130	
N,N-dimethylacetamide	ND	< 150		445	480	µg/g	92.7	70 - 130	
Pyridine	ND	< 50		198	171	µg/g	115.8	70 - 130	
1,2-Dichloroethane	ND	< 1		1.16	1	µg/g	116.0	70 - 130	
Chloroform	ND	< 1		1.14	1	µg/g	114.0	70 - 130	
Trichloroethylene	ND	< 1		1.2	1	µg/g	120.0	70 - 130	



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QC- Sample Duplicate	Sample ID: 22-006934-0001						
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	
Pertane	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	
2-Propanol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	60 µg/g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	30 µg/g	0.0	< 20	Acceptable	
MTBE	ND	ND	500 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	
1-Propanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500 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	
2-methyl-1-propanol	ND	ND	500 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-Butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500 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	
Methylisobutylketone	ND	ND	500 µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200 µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100 µg/g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500 µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500 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	
Anisole	ND	ND	500 µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500 µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50 µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500 µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150 µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50 µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1 µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1 µg/g	0.0	< 20	Acceptable	

Abbreviations

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

Units of Measure:

µg/g - Microgram per gram or ppm



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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	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.