Lazarus Naturals

CONSOLIDATED TEST RESULTS SUMMARY

Please see the following pages for full test results.

BULK SKU CAP.RLX25 **BATCH #** EJ16

PRODUCT NAME CBD Relax Capsules **SERVING SIZE** 2 capsules (~0.8g)

LABORATORY: Columbia Laboratories **OREGON ACCREDITATION:** OR100028

LOQ: Limit Of Quantitation
LOD: Limit Of Detection

1 g = 10^{-3} kg = 10^{3} mg = 10^{6} µg 1 mg/kg = 1 ppm = 1000 ppb

POTENCY	PER SERVING	PER GRAM	Percent
Cannabidiol (CBD)	**52.06 mg/serving**	68.50 mg/g	6.85 %
Total THC (d9-THC, THCA)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Cannabigerol (CBG)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Cannabinol (CBN)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Cannabichromene (CBC)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Tetrahydrocannabinolic Acid (THCA)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Delta-9-THC (d9-THC)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %
Delta-8-THC (d8-THC)	**<LOQ mg/serving**	<LOQ mg/g	<LOQ %

HEAVY METALS	PER SERVING	PER GRAM	REGULATORY ACTION LEVEL
Arsenic	**0.12 µg/serving**	0.16 µg/g	10 µg/day [1]
Cadmium	**<LOQ µg/serving**	<LOQ µg/g	4.1 µg/day [1]
Lead	**0.42 µg/serving**	0.55 µg/g	6 µg/day [1]
Mercury	**<LOQ µg/serving**	<LOQ µg/g	2 µg/day [1]

PESTICIDES	REGULATORY ACTION LEVEL
None of the other 59 pesticides tested found above limit of detection in the sample.	10 ppb [1]

RESIDUAL SOLVENTS	Results	REGULATORY ACTION LEVEL
Ethanol	<LOQ µg/g	50,000 mg/day
Heptane	<LOQ µg/g	50,000 mg/day
None of the 34 residual solvents tested found above limit of quantitation in the sample.		

MICROBIAL	PASS/FAIL
Yeast & Mold	Pass
Coliform	Pass

1. American Herbal Pharmacopoeia. (2014). Cannabis Inflorescence: Standards of Identity, Analysis, and Quality Control. Washington DC: AHP.

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-014731/D005.R000
Report Date: 12/19/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/01/22 15:33

Customer: Etz Hayim Holdings
Product identity: FORM.CAP.RLX25-EJ16
Client/Metrc ID: .
Laboratory ID: 22-014731-0001

Summary

Potency:

Analyte per 1g	Result	Limits	Units	Status
CBD per 1g	68.5		mg/1g	

CBD-Total per Serving Size 68.5 mg/1g

THC-Total per Serving Size <LOQ

(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	Analyte	Result	Units	Limit	Status
Lead	0.553	mg/kg			Arsenic	0.163	mg/kg		

Microbiology:

Less than LOQ for all analytes.

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Report Date: 12/19/2022
ORELAP#: OR100028
Purchase Order:
Received: 12/01/22 15:33

Customer: Etz Hayim Holdings
16427 NE Airport Way
PORTLAND 97230
United States of America (USA)

Product identity: FORM.CAP.RLX25-EJ16
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-014731-0001
Evidence of Cooling: No
Temp: 18.5
Relinquished by: courier
Serving Size #1: 1 g

Sample Results

Potency per 1g **Method:** J AOAC 2015 V98-6 (mod)[b] **Units** mg/se **Batch:** 2210515 **Analyze:** 12/10/22 8:45:00 AM

Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	< LOQ		mg/1g	0.746	
CBC-A per 1g	< LOQ		mg/1g	0.746	
CBC-Total per 1g	< LOQ		mg/1g	1.40	
CBD per 1g	68.5		mg/1g	0.746	
CBD-A per 1g	< LOQ		mg/1g	0.746	
CBD-Total per 1g	68.5		mg/1g	1.40	
CBDV per 1g	< LOQ		mg/1g	0.746	
CBDV-A per 1g	< LOQ		mg/1g	0.746	
CBDV-Total per 1g	< LOQ		mg/1g	1.39	
CBE per 1g	< LOQ		mg/1g	0.746	
CBG per 1g	< LOQ		mg/1g	0.746	
CBG-A per 1g	< LOQ		mg/1g	0.746	
CBG-Total per 1g	< LOQ		mg/1g	1.39	
CBL per 1g	< LOQ		mg/1g	0.746	
CBL-A per 1g	< LOQ		mg/1g	0.746	
CBL-Total per 1g	< LOQ		mg/1g	1.40	
CBN per 1g	< LOQ		mg/1g	0.746	
CBT per 1g	< LOQ		mg/1g	0.746	
Δ8-THCV per 1g	< LOQ		mg/1g	0.746	
Δ10-THC per 1g	< LOQ		mg/1g	0.746	
Δ8-THC per 1g	< LOQ		mg/1g	0.746	
Δ9-THC per 1g	< LOQ		mg/1g	0.746	
exo-THC per 1g	< LOQ		mg/1g	0.746	
THC-A per 1g	< LOQ		mg/1g	0.746	
THC-Total per 1g	< LOQ		mg/1g	1.40	
THCV per 1g	< LOQ		mg/1g	0.746	
THCV-A per 1g	< LOQ		mg/1g	0.746	
THCV-Total per 1g	< LOQ		mg/1g	1.40	
Total Cannabinoids per 1g	70.7		mg/1g		

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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2210579	12/16/22	AOAC 991.14 (Petrifilm)þ		
Total Coliforms	< LOQ		cfu/g	10	2210579	12/16/22	AOAC 991.14 (Petrifilm)þ		
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2210580	12/17/22	AOAC 2014.05 (RAPID)þ		
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2210580	12/17/22	AOAC 2014.05 (RAPID)þ		

Solvents

Method: Residual Solvents by GC/MSþ **Units** µg/g **Batch** 2210737 **Analyze** 12/19/22 11:32 AM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ		100			2-Butanol	< LOQ		200		
2-Ethoxyethanol	< LOQ		30.0			2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ		200		
2,2-Dimethy butane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethy butane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ		200			Acetonitrile	< LOQ		100		
Benzene	< LOQ		1.00			Butanes (sum)	< LOQ		400		
Cyclohexane	< LOQ		200			Ethanol	< LOQ		200		
Ethyl acetate	< LOQ		200			Ethyl benzene	< LOQ		200		
Ethyl ether	< LOQ		200			Ethylene glycol	< LOQ		200		
Ethylene oxide	< LOQ		20.0			Hexanes (sum)	< LOQ		150		
Isopropyl acetate	< LOQ		200			Isopropylbenzene (Cumene)	< LOQ		30.0		
m,p-Xylene	< LOQ		200			Methanol	< LOQ		200		
Methylene chloride	< LOQ		60.0			Methylpropane (Isobutane)	< LOQ		200		
n-Butane	< LOQ		200			n-Heptane	< LOQ		200		
n-Hexane	< LOQ		30.0			n-Pentane	< LOQ		200		
o-Xylene	< LOQ		200			Pentanes (sum)	< LOQ		600		
Propane	< LOQ		200			Tetrahydrofuran	< LOQ		100		
Toluene	< LOQ		100			Total Xylenes	< LOQ		400		
Total Xylenes and Ethyl benzene	< LOQ		600								

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Pesticides

Method: AOAC 2007.01 & EN 15662 (mod)þ **Units** mg/kg **Batch** 2210651 **Analyze** 12/15/22 02:45 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin¥	< LOQ		0.250			Acephate¥	< LOQ		0.200		
Acequinocyl¥	< LOQ		1.00			Acetamiprid¥	< LOQ		0.100		
Aldicarb¥	< LOQ		0.200			Azoxystrobin¥	< LOQ		0.100		
Bifenazate¥	< LOQ		0.100			Bifenthrin¥	< LOQ		0.100		
Boscalid¥	< LOQ		0.200			Carbaryl¥	< LOQ		0.100		
Carbofuran¥	< LOQ		0.100			Chlorantraniliprole¥	< LOQ		0.100		
Chlorfenapyr¥	< LOQ		0.500			Chlorpyrifos¥	< LOQ		0.100		
Clofentezine¥	< LOQ		0.100			Cyfluthrin¥	< LOQ		0.500		
Cypermethrin¥	< LOQ		0.500			Daminozide¥	< LOQ		0.500		
Diazinon¥	< LOQ		0.100			Dichlorvos¥	< LOQ		0.500		
Dimethoate¥	< LOQ		0.100			Ethoprophos¥	< LOQ		0.100		
Etofenprox¥	< LOQ		0.200			Etoxazole¥	< LOQ		0.100		
Fenoxycarb¥	< LOQ		0.100			Fenpyroximate¥	< LOQ		0.200		
Fipronil¥	< LOQ		0.200			Flonicamid¥	< LOQ		0.400		
Fludioxonil¥	< LOQ		0.200			Hexythiazox¥	< LOQ		0.400		
Imazalil¥	< LOQ		0.100			Imidacloprid¥	< LOQ		0.200		
Kresoxim-methyl¥	< LOQ		0.200			Malathion¥	< LOQ		0.100		
Metalaxyl¥	< LOQ		0.100			Methiocarb¥	< LOQ		0.100		
Methomyl¥	< LOQ		0.200			MGK-264¥	< LOQ		0.100		
Myclobutanil¥	< LOQ		0.100			Naled¥	< LOQ		0.250		
Oxamyl¥	< LOQ		0.500			Paclobutrazole¥	< LOQ		0.200		
Parathion-Methyl¥	< LOQ		0.100			Permethrin¥	< LOQ		0.100		
Phosmet¥	< LOQ		0.100			Piperonyl butoxide¥	< LOQ		1.00		
Prallethrin¥	< LOQ		0.100			Propiconazole¥	< LOQ		0.200		
Propoxur¥	< LOQ		0.100			Pyrethrin I (total)¥	< LOQ		0.500		
Pyridaben¥	< LOQ		0.100			Spinosad¥	< LOQ		0.100		
Spiromesifen¥	< LOQ		0.100			Spirotetramat¥	< LOQ		0.100		
Spiroxamine¥	< LOQ		0.200			Tebuconazole¥	< LOQ		0.200		
Thiacloprid¥	< LOQ		0.100			Thiamethoxam¥	< LOQ		0.100		
Trifloxystrobin¥	< LOQ		0.100								

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyzed	Method	Status	Notes
Arsenic	0.163		mg/kg	0.0979	2210621	12/14/22	AOAC 2013.06 (mod.)þ		
Cadmium	< LOQ		mg/kg	0.0979	2210621	12/14/22	AOAC 2013.06 (mod.)þ		
Lead	0.553		mg/kg	0.0979	2210621	12/14/22	AOAC 2013.06 (mod.)þ		
Mercury	< LOQ		mg/kg	0.0490	2210621	12/14/22	AOAC 2013.06 (mod.)þ		

Columbia LABORATORIES
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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.

þ = 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/1g = Milligram per 1g
% = Percentage of sample
% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner
General Manager

Columbia LABORATORIES
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PIXIS Labs
A Tentamus Company

[redacted] 503-254-1794

Cannabis Chain of Custody Record

ETZHAYIM 22-014731

Etz Hayim Holdings

R100028

ase Order Number:
ect Number:
ject Name:

☐ Report Instructions:
☐ Send to State - METRC
☑ Email Final Results:
☐ Fax Final Results
☐ Cash/Check/CC/Net 30
Other:

Analysis Requested

Field ID	Date/Time Collected		Pesticides – OR 59 compounds	Pesticide Multi-Residue – 379 compounds	Potency	Residual Solvents	Water Activity	Moisture	Terpenes	Micro: Yeast and Mold	Micro: *E.Coli* and Total Coliform	Heavy Metals	Mycotoxins	Other	Matrix	Weight	Serving size for edibles	Comments/Metrc ID
FORM-CAP.RLX25-EJ16	11/30	3:58	X		X	X				X	X	X			Powder		mg/g	Potency First
FORM-TN.O.FS50-EK38	11/30	11:45	X		X	X				X	X	X			Tincture		mg/g	Potency First
WLPL-MR.BLKBRY-EJ28	11/30	7:58	X		X	X				X	X	X			Edible		mg/g	Parallel Path
CYCL-GMY.D9.BR10-EK32	11/30	11:19	X		X	X				X	X	X			Edible		mg/g	Parallel Path
																		LazNot Discount

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time
☑Standard (5 day)	[redacted]					
☐Rush (3-4 day) (1.5x Standard)						
☐Priority Rush (2 day) (2x Standard)						

Lab Use Only:
ient Alias:
rder Number:
roper Container
Sample Condition
Temperature: 1.8c S
Shipped Via: Courier
Evidence of cooling: ☐Yes ☑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

Revision: 1.02 Control#: CF023
Effective 01/31/2019 Revised 01/31/2019

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Page 1 of 2

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Report Number: 22-014731/D005.R000
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ORELAP#: OR100028
Purchase Order:
Received: 12/01/22 15:33

Revision 1 Documen D 7148
Legacy D Workshee Valida ed 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2210515**

Laboratory Control Sample

Analyte	LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	2	0.107	0.102	%	105	80.0 - 120	Acceptable	
CBDV	2	0.111	0.106	%	104	80.0 - 120	Acceptable	
CBE	2	0.111	0.106	%	105	80.0 - 120	Acceptable	
CBDA	1	0.0942	0.096	%	98.4	90.0 - 110	Acceptable	
CBGA	1	0.0950	0.097	%	98.4	80.0 - 120	Acceptable	
CBG	1	0.0944	0.095	%	99.0	80.0 - 120	Acceptable	
CBD	1	0.0937	0.096	%	98.0	90.0 - 110	Acceptable	
THCV	2	0.109	0.102	%	106	80.0 - 120	Acceptable	
d8THCV	2	0.113	0.109	%	104	80.0 - 120	Acceptable	
THCVA	2	0.104	0.100	%	105	80.0 - 120	Acceptable	
CBN	1	0.0983	0.099	%	99.3	80.0 - 120	Acceptable	
exo-THC	2	0.104	0.098	%	105	80.0 - 120	Acceptable	
d9THC	1	0.103	0.102	%	101	90.0 - 110	Acceptable	
d8THC	1	0.0995	0.100	%	99.4	90.0 - 110	Acceptable	
CBL	2	0.105	0.100	%	105	80.0 - 120	Acceptable	
d10THC	1	0.0916	0.092	%	99.5	80.0 - 120	Acceptable	
CBC	2	0.110	0.105	%	105	80.0 - 120	Acceptable	
THCA	1	0.0940	0.096	%	98.2	90.0 - 110	Acceptable	
CBCA	2	0.107	0.103	%	104	80.0 - 120	Acceptable	
CBLA	2	0.111	0.106	%	105	80.0 - 120	Acceptable	
CBT	2	0.115	0.110	%	105	80.0 - 120	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDV	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBE	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBDA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBGA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBG	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBD	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THCV	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCVA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBN	<LOQ	0.0077	%	< 0.0077	Acceptable	
exo-THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d9THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
d8THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBL	<LOQ	0.0077	%	< 0.0077	Acceptable	
d10THC	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBC	<LOQ	0.0077	%	< 0.0077	Acceptable	
THCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBCA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBLA	<LOQ	0.0077	%	< 0.0077	Acceptable	
CBT	<LOQ	0.0077	%	< 0.0077	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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Revision 1 Documen D 7148
Legacy D Workshee Valida ed 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2210515**

Sample Duplicate Sample ID **22-014698-0001**

Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBDV	1.82	1.83	0.0077	%	0.424	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBG	1.61	1.78	0.0077	%	9.94	< 20	Acceptable	
CBD	87.1	85.9	0.0077	%	1.44	< 20	Acceptable	
THCV	0.0317	0.0343	0.0077	%	7.69	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBN	0.0306	0.0330	0.0077	%	7.52	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
d10THC	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBC	0.0098	0.0113	0.0077	%	14.6	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.0077	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.0077	%	NA	< 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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Rev s o 3 Docume D 3 20
Legacy D C L C2 Wo ks ee Va da ed 0/30/2020

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg					Batch ID: 2210651	
Method Blank				Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits		Notes
Abamectin	0.000	< 0.250		1.034	1.000	103.4	50.0	150	
Acephate	0.000	< 0.200		0.767	0.800	95.9	60.0	120	
Acequinocyl	0.000	< 1.000		3.707	4.000	92.7	40.0	160	
Acetamiprid	0.000	< 0.100		0.397	0.400	99.3	60.0	120	
Aldicarb	0.000	< 0.200		0.786	0.800	98.3	60.0	120	
Azoxystrobin	0.000	< 0.100		0.382	0.400	95.5	60.0	120	
Bifenazate	0.000	< 0.100		0.425	0.400	106.4	60.0	120	
Bifenthrin	0.000	< 0.100		0.384	0.400	96.0	50.0	150	
Boscalid	0.000	< 0.200		0.789	0.800	98.6	60.0	120	
Carbaryl	0.000	< 0.100		0.385	0.400	96.2	60.0	120	
Carbofuran	0.000	< 0.100		0.401	0.400	100.4	60.0	120	
Chlorantraniliprole	0.000	< 0.100		0.395	0.400	98.6	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.685	2.000	84.3	60.0	120	
Chlorpyrifos	0.000	< 0.100		0.588	0.400	***147.0***	60.0	120	Q1
Clofentezine	0.000	< 0.100		0.397	0.400	99.2	60.0	120	
Cyfluthrin	0.000	< 0.500		1.995	2.000	99.7	50.0	150	
Cypermethrin	0.000	< 0.500		1.919	2.000	96.0	50.0	150	
Daminozide	0.000	< 0.500		1.470	2.000	73.5	60.0	120	
Diazinon	0.000	< 0.100		0.424	0.400	105.9	60.0	120	
Dichlorvos	0.000	< 0.500		1.801	2.000	90.0	60.0	120	
Dimethoate	0.000	< 0.100		0.399	0.400	99.7	60.0	120	
Ethoprophos	0.000	< 0.100		0.394	0.400	98.5	60.0	120	
Etofenprox	0.000	< 0.200		0.780	0.800	97.5	50.0	150	
Etoxazole	0.000	< 0.100		0.393	0.400	98.2	60.0	120	
Fenoxycarb	0.000	< 0.100		0.390	0.400	97.6	60.0	120	
Fenpyroximate	0.000	< 0.200		0.764	0.800	95.5	60.0	120	
Fipronil	0.000	< 0.200		0.666	0.800	83.3	60.0	120	
Flonicamid	0.000	< 0.250		0.984	1.000	98.4	60.0	120	
Fludioxonil	0.000	< 0.200		0.573	0.800	71.6	50.0	150	
Hexythiazox	0.000	< 0.250		0.819	1.000	81.9	60.0	120	
Imazalil	0.000	< 0.100		0.404	0.400	101.1	60.0	120	
Imidacloprid	0.000	< 0.200		0.792	0.800	99.0	60.0	120	
Kresoxim methyl	0.000	< 0.200		0.782	0.800	97.7	60.0	120	
Malathion	0.000	< 0.100		0.391	0.400	97.6	60.0	120	
Metalaxyl	0.000	< 0.100		0.391	0.400	97.6	60.0	120	
Methiocarb	0.000	< 0.100		0.390	0.400	97.4	60.0	120	
Methomyl	0.000	< 0.200		0.788	0.800	98.5	60.0	120	
MGK 264	0.000	< 0.100		0.389	0.400	97.2	50.0	150	
Myclobutanil	0.000	< 0.100		0.415	0.400	103.7	60.0	120	
Naled	0.000	< 0.250		1.004	1.000	100.4	50.0	150	
Oxamyl	0.000	< 0.500		2.061	2.000	103.0	60.0	120	
Paclobutrazole	0.000	< 0.200		0.786	0.800	98.2	60.0	120	
Parathion Methyl	0.000	< 0.100		0.374	0.400	93.5	50.0	150	
Permethrin	0.000	< 0.100		0.358	0.400	89.4	50.0	150	
Phosmet	0.000	< 0.100		0.394	0.400	98.5	50.0	150	
Piperonyl butoxide	0.000	< 0.500		1.899	2.000	94.9	60.0	120	
Prallethrin	0.000	< 0.100		0.381	0.400	95.3	60.0	120	
Propiconazole	0.000	< 0.200		0.795	0.800	99.3	60.0	120	
Propoxur	0.000	< 0.100		0.395	0.400	98.6	60.0	120	
Pyrethrin (Summe)	0.001	< 0.100		0.471	0.488	96.5	60.0	120	
Pyridaben	0.000	< 0.100		0.388	0.400	96.9	50.0	150	
Spinosad	0.000	< 0.100		0.384	0.388	99.1	50.0	150	
Spiromesifen	0.000	< 0.100		0.402	0.400	100.4	60.0	120	
Spirotetramat	0.000	< 0.100		0.395	0.400	98.9	60.0	120	
Spiroxamine	0.000	< 0.200		0.780	0.800	97.6	60.0	120	
ebuconazole	0.000	< 0.200		0.795	0.800	99.4	60.0	120	
hiacloprid	0.000	< 0.100		0.405	0.400	101.3	60.0	120	
hiamethoxam	0.000	< 0.100		0.411	0.400	102.9	60.0	120	
rifloxystrobin	0.000	< 0.100		0.386	0.400	96.4	60.0	120	

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2210651

Matrix Spike/Matrix Spike Duplicate Recoveries **Sample ID:** 22-015283-0001

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits		Notes
Abamectin	0.000	0.959	1.121	1.000	15.6%	< 30	95.9%	112.1%	50	150	
Acephate	0.584	1.296	1.417	0.800	15.7%	< 30	88.9%	104.1%	50	150	
Acequinocyl	0.000	2.523	2.882	4.000	13.3%	< 30	63.1%	72.1%	50	150	
Acetamiprid	0.000	0.296	0.296	0.400	0.1%	< 30	74.1%	74.0%	50	150	
Aldicarb	0.000	0.661	0.687	0.800	3.8%	< 30	82.6%	85.8%	50	150	
Azoxystrobin	0.021	0.258	0.260	0.400	0.9%	< 30	59.2%	59.8%	50	150	
Bifenazate	0.073	0.358	0.382	0.400	8.2%	< 30	71.3%	77.4%	50	150	
Bifenthrin	0.000	0.371	0.354	0.400	4.8%	< 30	92.7%	88.4%	50	150	
Boscalid	0.241	0.668	0.716	0.800	10.7%	< 30	53.3%	59.3%	50	150	
Carbaryl	0.024	0.261	0.255	0.400	2.5%	< 30	59.1%	57.7%	50	150	
Carbofuran	0.000	0.237	0.239	0.400	0.9%	< 30	59.4%	59.9%	50	150	
Chlorantraniliprole	0.000	0.279	0.296	0.400	6.0%	< 30	69.8%	74.1%	50	150	
Chlorfenapyr	0.000	1.037	1.038	2.000	0.1%	< 30	51.8%	51.9%	50	150	
Chlorpyrifos	0.000	0.701	0.561	0.400	22.2%	< 30	175.3%	140.3%	50	150	Q
Clofentezine	0.000	0.201	0.212	0.400	5.1%	< 30	50.3%	52.9%	50	150	
Cyfluthrin	0.412	1.153	1.261	2.000	13.7%	< 30	37.1%	42.5%	30	150	
Cypermethrin	0.000	0.756	0.608	2.000	21.8%	< 30	37.8%	30.4%	50	150	Q
Daminozide	0.057	0.954	1.004	2.000	5.4%	< 30	44.9%	47.4%	30	150	
Diazinon	0.000	0.106	0.115	0.400	7.9%	< 30	26.5%	28.6%	50	150	Q
Dichlorvos	0.074	1.246	1.359	2.000	9.2%	< 30	58.6%	64.2%	50	150	
Dimethoate	0.000	0.338	0.348	0.400	2.9%	< 30	84.4%	86.9%	50	150	
Ethoprophos	0.000	0.202	0.205	0.400	1.7%	< 30	50.5%	51.3%	50	150	
Etofenprox	0.000	0.442	0.454	0.800	2.7%	< 30	55.3%	56.8%	50	150	
Etoxazole	0.002	0.349	0.338	0.400	3.2%	< 30	86.8%	84.1%	50	150	
Fenoxycarb	0.000	0.210	0.215	0.400	2.4%	< 30	52.4%	53.7%	50	150	
Fenpyroximate	0.000	0.248	0.235	0.800	5.3%	< 30	31.0%	29.4%	50	150	Q
Fipronil	0.000	0.193	0.193	0.800	0.0%	< 30	24.1%	24.1%	50	150	Q
Flonicamid	0.000	0.850	0.910	1.000	6.9%	< 30	85.0%	91.0%	50	150	
Fludioxonil	0.000	0.657	0.617	0.800	6.3%	< 30	82.1%	77.1%	50	150	
Hexythiazox	0.000	0.600	0.563	1.000	6.3%	< 30	60.0%	56.3%	50	150	
Imazalil	0.001	0.291	0.293	0.400	0.7%	< 30	72.6%	73.1%	50	150	
Imidacloprid	0.000	0.680	0.665	0.800	2.2%	< 30	85.0%	83.2%	50	150	
Kresoxim methyl	0.000	0.414	0.435	0.800	5.1%	< 30	51.7%	54.4%	50	150	
Malathion	0.062	0.301	0.311	0.400	4.0%	< 30	59.7%	62.1%	50	150	
Metalaxyl	0.000	0.274	0.285	0.400	3.9%	< 30	68.6%	71.3%	50	150	
Methiocarb	0.000	0.232	0.240	0.400	3.3%	< 30	58.0%	59.9%	50	150	
Methomyl	0.000	0.738	0.742	0.800	0.4%	< 30	92.3%	92.7%	50	150	
MGK 264	0.000	0.085	0.096	0.400	12.0%	< 30	21.3%	24.1%	50	150	Q
Myclobutanil	0.000	0.158	0.170	0.400	7.3%	< 30	39.6%	42.6%	50	150	Q
Naled	0.000	0.444	0.449	1.000	1.1%	< 30	44.4%	44.9%	50	150	Q
Oxamyl	0.000	1.846	1.823	2.000	1.3%	< 30	92.3%	91.1%	50	150	
Paclobutrazole	0.000	0.420	0.451	0.800	7.1%	< 30	52.6%	56.4%	50	150	
Parathion Methyl	0.000	0.106	0.071	0.400	39.4%	< 30	26.6%	17.8%	30	150	R, Q
Permethrin	0.016	0.304	0.287	0.400	6.2%	< 30	72.0%	67.7%	50	150	
Phosmet	0.000	0.220	0.234	0.400	6.1%	< 30	55.0%	58.5%	50	150	
Piperonyl butoxide	0.000	1.580	1.629	2.000	3.1%	< 30	79.0%	81.5%	50	150	
Prallethrin	0.000	0.128	0.137	0.400	6.9%	< 30	32.0%	34.2%	50	150	Q
Propiconazole	0.059	0.495	0.532	0.800	8.1%	< 30	54.5%	59.1%	50	150	
Propoxur	0.007	0.258	0.260	0.400	0.7%	< 30	62.7%	63.2%	50	150	
Pyrethrin (Summe)	0.000	0.280	0.263	0.488	6.3%	< 30	57.4%	53.9%	50	150	
Pyridaben	0.000	0.245	0.243	0.400	1.0%	< 30	61.3%	60.7%	50	150	
Spinosad	0.000	0.276	0.274	0.388	0.9%	< 30	71.2%	70.6%	50	150	
Spiromesifen	0.006	0.364	0.355	0.400	2.4%	< 30	89.5%	87.4%	50	150	
Spirotetramat	0.000	0.470	0.481	0.400	2.2%	< 30	117.5%	120.2%	50	150	
Spiroxamine	0.000	0.586	0.633	0.800	7.7%	< 30	73.2%	79.1%	50	150	
ebuconazole	0.000	0.449	0.450	0.800	0.3%	< 30	56.1%	56.2%	50	150	
hiacloprid	0.000	0.291	0.301	0.400	3.5%	< 30	72.8%	75.4%	50	150	
hiamethoxam	0.000	0.433	0.380	0.400	13.2%	< 30	108.3%	94.9%	50	150	
rifloxystrobin	0.013	0.288	0.288	0.400	0.1%	< 30	68.8%	68.7%	50	150	

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662			Units: mg/Kg						Batch ID: 2210651
Method Blank				Laboratory Control Sample					
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits		Notes
Abamectin	0.000	< 0.250		0.929	1.000	92.9	50.0	150	
Acephate	0.000	< 0.200		0.763	0.800	95.4	60.0	120	
Acequinocyl	0.000	< 1.000		3.379	4.000	84.5	40.0	160	
Acetamiprid	0.000	< 0.100		0.383	0.400	95.9	60.0	120	
Aldicarb	0.000	< 0.200		0.778	0.800	97.3	60.0	120	
Azoxystrobin	0.000	< 0.100		0.386	0.400	96.5	60.0	120	
Bifenazate	0.000	< 0.100		0.424	0.400	106.1	60.0	120	
Bifenthrin	0.000	< 0.100		0.380	0.400	94.9	50.0	150	
Boscalid	0.000	< 0.200		0.756	0.800	94.5	60.0	120	
Carbaryl	0.000	< 0.100		0.382	0.400	95.4	60.0	120	
Carbofuran	0.000	< 0.100		0.378	0.400	94.5	60.0	120	
Chlorantraniliprole	0.000	< 0.100		0.377	0.400	94.3	60.0	120	
Chlorfenapyr	0.000	< 0.500		1.733	2.000	86.7	60.0	120	
Chlorpyrifos	0.000	< 0.100		0.401	0.400	100.2	60.0	120	
Clofentezine	0.000	< 0.100		0.367	0.400	91.9	60.0	120	
Cyfluthrin	0.000	< 0.500		1.855	2.000	92.7	50.0	150	
Cypermethrin	0.000	< 0.500		1.953	2.000	97.7	50.0	150	
Daminozide	0.398	< 0.500		1.842	2.000	92.1	60.0	120	
Diazinon	0.000	< 0.100		0.413	0.400	103.3	60.0	120	
Dichlorvos	0.000	< 0.500		1.972	2.000	98.6	60.0	120	
Dimethoate	0.000	< 0.100		0.382	0.400	95.4	60.0	120	
Ethoprophos	0.000	< 0.100		0.375	0.400	93.7	60.0	120	
Etofenprox	0.000	< 0.200		0.734	0.800	91.7	50.0	150	
Etoxazole	0.000	< 0.100		0.376	0.400	94.1	60.0	120	
Fenoxycarb	0.000	< 0.100		0.368	0.400	92.1	60.0	120	
Fenpyroximate	0.000	< 0.200		0.756	0.800	94.6	60.0	120	
Fipronil	0.000	< 0.200		0.705	0.800	88.1	60.0	120	
Flonicamid	0.000	< 0.250		0.943	1.000	94.3	60.0	120	
Fludioxonil	0.000	< 0.200		0.778	0.800	97.3	50.0	150	
Hexythiazox	0.000	< 0.250		0.931	1.000	93.1	60.0	120	
Imazalil	0.000	< 0.100		0.381	0.400	95.2	60.0	120	
Imidacloprid	0.000	< 0.200		0.766	0.800	95.8	60.0	120	
Kresoxim methyl	0.000	< 0.200		0.766	0.800	95.8	60.0	120	
Malathion	0.000	< 0.100		0.378	0.400	94.5	60.0	120	
Metalaxyl	0.000	< 0.100		0.384	0.400	96.0	60.0	120	
Methiocarb	0.000	< 0.100		0.387	0.400	96.8	60.0	120	
Methomyl	0.000	< 0.200		0.748	0.800	93.5	60.0	120	
MGK 264	0.000	< 0.100		0.378	0.400	94.6	50.0	150	
Myclobutanil	0.000	< 0.100		0.367	0.400	91.6	60.0	120	
Naled	0.000	< 0.250		0.945	1.000	94.5	50.0	150	
Oxamyl	0.000	< 0.500		1.919	2.000	96.0	60.0	120	
Paclobutrazole	0.000	< 0.200		0.747	0.800	93.4	60.0	120	
Parathion Methyl	0.000	< 0.100		0.445	0.400	111.2	50.0	150	
Permethrin	0.000	< 0.100		0.373	0.400	93.3	50.0	150	
Phosmet	0.000	< 0.100		0.374	0.400	93.5	50.0	150	
Piperonyl butoxide	0.000	< 0.500		1.812	2.000	90.6	60.0	120	
Prallethrin	0.000	< 0.100		0.353	0.400	88.2	60.0	120	
Propiconazole	0.000	< 0.200		0.665	0.800	83.1	60.0	120	
Propoxur	0.000	< 0.100		0.382	0.400	95.4	60.0	120	
Pyrethrin (Summe)	0.000	< 0.100		0.457	0.488	93.7	60.0	120	
Pyridaben	0.000	< 0.100		0.372	0.400	93.0	50.0	150	
Spinosad	0.000	< 0.100		0.369	0.388	95.0	50.0	150	
Spiromesifen	0.000	< 0.100		0.394	0.400	98.5	60.0	120	
Spirotetramat	0.000	< 0.100		0.386	0.400	96.6	60.0	120	
Spiroxamine	0.000	< 0.200		0.730	0.800	91.2	60.0	120	
tebuconazole	0.000	< 0.200		0.625	0.800	78.2	60.0	120	
thiacloprid	0.000	< 0.100		0.371	0.400	92.7	60.0	120	
thiamethoxam	0.000	< 0.100		0.395	0.400	98.6	60.0	120	
trifloxystrobin	0.000	< 0.100		0.382	0.400	95.5	60.0	120	

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 **Units:** mg/Kg **Batch ID:** 2210651

Matrix Spike/Matrix Spike Duplicate Recoveries **Sample ID:** 22-015283-0001

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits		Notes
Abamectin	0.000	0.985	0.996	1.000	1.1%	< 30	98.5%	99.6%	50	150	
Acephate	0.594	1.311	1.329	0.800	2.5%	< 30	89.7%	91.9%	50	150	
Acequinocyl	0.000	2.607	2.910	4.000	11.0%	< 30	65.2%	72.8%	50	150	
Acetamiprid	0.000	0.292	0.294	0.400	0.6%	< 30	73.0%	73.4%	50	150	
Aldicarb	0.000	0.709	0.705	0.800	0.6%	< 30	88.6%	88.1%	50	150	
Azoxystrobin	0.018	0.263	0.254	0.400	3.8%	< 30	61.1%	58.8%	50	150	
Bifenazate	0.064	0.363	0.389	0.400	8.4%	< 30	74.8%	81.4%	50	150	
Bifenthrin	0.000	0.367	0.350	0.400	4.7%	< 30	91.7%	87.5%	50	150	
Boscalid	0.194	0.713	0.708	0.800	0.9%	< 30	64.9%	64.3%	50	150	
Carbaryl	0.019	0.260	0.227	0.400	15.0%	< 30	60.2%	51.8%	50	150	
Carbofuran	0.000	0.232	0.228	0.400	1.6%	< 30	57.9%	57.0%	50	150	
Chlorantraniliprole	0.000	0.307	0.289	0.400	5.9%	< 30	76.7%	72.3%	50	150	
Chlorfenapyr	0.000	1.037	1.038	2.000	0.1%	< 30	51.8%	51.9%	50	150	
Chlorpyrifos	0.000	0.440	0.371	0.400	17.1%	< 30	110.1%	92.8%	50	150	
Clofentezine	0.000	0.202	0.203	0.400	0.3%	< 30	50.5%	50.7%	50	150	
Cyfluthrin	0.250	1.437	1.155	2.000	26.9%	< 30	59.3%	45.2%	30	150	
Cypermethrin	0.000	1.027	1.038	2.000	1.0%	< 30	51.4%	51.9%	50	150	
Daminozide	0.246	1.521	1.523	2.000	0.2%	< 30	63.8%	63.9%	30	150	
Diazinon	0.000	0.113	0.116	0.400	2.8%	< 30	28.2%	29.0%	50	150	Q
Dichlorvos	0.030	1.398	1.456	2.000	4.1%	< 30	68.4%	71.3%	50	150	
Dimethoate	0.000	0.339	0.345	0.400	1.8%	< 30	84.8%	86.4%	50	150	
Ethoprophos	0.000	0.207	0.206	0.400	0.6%	< 30	51.8%	51.5%	50	150	
Etofenprox	0.000	0.445	0.441	0.800	0.9%	< 30	55.7%	55.2%	50	150	
Etoxazole	0.005	0.342	0.347	0.400	1.5%	< 30	84.2%	85.4%	50	150	
Fenoxycarb	0.000	0.210	0.205	0.400	2.4%	< 30	52.6%	51.3%	50	150	
Fenpyroximate	0.000	0.249	0.241	0.800	3.1%	< 30	31.1%	30.1%	50	150	Q
Fipronil	0.000	0.263	0.299	0.800	12.8%	< 30	32.9%	37.4%	50	150	Q
Flonicamid	0.000	0.916	0.873	1.000	4.8%	< 30	91.6%	87.3%	50	150	
Fludioxonil	0.000	1.020	0.994	0.800	2.5%	< 30	127.5%	124.3%	50	150	
Hexythiazox	0.000	0.600	0.563	1.000	6.3%	< 30	60.0%	56.3%	50	150	
Imazalil	0.000	0.288	0.285	0.400	0.8%	< 30	71.9%	71.3%	50	150	
Imidacloprid	0.000	0.710	0.702	0.800	1.2%	< 30	88.8%	87.8%	50	150	
Kresoxim methyl	0.000	0.425	0.441	0.800	3.6%	< 30	53.2%	55.1%	50	150	
Malathion	0.050	0.316	0.322	0.400	2.1%	< 30	66.4%	67.8%	50	150	
Metalaxyl	0.000	0.288	0.294	0.400	2.0%	< 30	72.1%	73.6%	50	150	
Methiocarb	0.000	0.245	0.250	0.400	2.2%	< 30	61.2%	62.6%	50	150	
Methomyl	0.000	0.789	0.744	0.800	5.9%	< 30	98.7%	93.0%	50	150	
MGK 264	0.000	0.088	0.083	0.400	5.5%	< 30	22.0%	20.8%	50	150	Q
Myclobutanil	0.000	0.133	0.145	0.400	8.8%	< 30	33.2%	36.3%	50	150	Q
Naled	0.000	0.447	0.449	1.000	0.5%	< 30	44.7%	44.9%	50	150	Q
Oxamyl	0.000	1.955	1.993	2.000	1.9%	< 30	97.7%	99.7%	50	150	
Paclobutrazole	0.000	0.417	0.422	0.800	1.2%	< 30	52.1%	52.8%	50	150	
Parathion Methyl	0.000	0.040	0.043	0.400	6.8%	< 30	10.0%	10.7%	30	150	Q
Permethrin	0.059	0.332	0.323	0.400	3.4%	< 30	68.3%	66.0%	50	150	
Phosmet	0.000	0.237	0.238	0.400	0.3%	< 30	59.3%	59.5%	50	150	
Piperonyl butoxide	0.000	1.648	1.676	2.000	1.6%	< 30	82.4%	83.8%	50	150	
Prallethrin	0.000	0.139	0.121	0.400	13.7%	< 30	34.8%	30.4%	50	150	Q
Propiconazole	0.014	0.459	0.470	0.800	2.4%	< 30	55.6%	56.9%	50	150	
Propoxur	0.003	0.255	0.257	0.400	1.0%	< 30	62.8%	63.4%	50	150	
Pyrethrin (Summe)	0.000	0.280	0.263	0.488	6.3%	< 30	57.4%	53.9%	50	150	
Pyridaben	0.000	0.257	0.248	0.400	3.3%	< 30	64.2%	62.1%	50	150	
Spinosad	0.000	0.280	0.280	0.388	0.1%	< 30	72.1%	72.1%	50	150	
Spiromesifen	0.025	0.386	0.378	0.400	2.4%	< 30	90.4%	88.3%	50	150	
Spirotetramat	0.000	0.459	0.459	0.400	0.1%	< 30	114.7%	114.6%	50	150	
Spiroxamine	0.000	0.609	0.630	0.800	3.3%	< 30	76.1%	78.7%	50	150	
tebuconazole	0.000	0.304	0.362	0.800	17.5%	< 30	38.0%	45.3%	50	150	Q
thiacloprid	0.000	0.289	0.289	0.400	0.1%	< 30	72.2%	72.1%	50	150	
thiamethoxam	0.000	0.415	0.360	0.400	14.0%	< 30	103.7%	90.1%	50	150	
trifloxystrobin	0.013	0.296	0.296	0.400	0.3%	< 30	70.9%	70.7%	50	150	

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Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2210737

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**		**Notes**	
Propane	ND	<	200		514	572	µg/g	89.9	60	120		
Isobutane	ND	<	200		640	731	µg/g	87.6	60	120		
Butane	ND	<	200		630	731	µg/g	86.2	60	120		
2,2 Dimethylpropane	ND	<	200		838	936	µg/g	89.5	60	120		
Methanol	ND	<	200		1360	1620	µg/g	84.0	60	120		
Ethylene Oxide	ND	<	30		47.9	56.2	µg/g	85.2	60	120		
2 Methylbutane	ND	<	200		1340	1610	µg/g	83.2	60	120		
Pentane	ND	<	200		1320	1600	µg/g	82.5	60	120		
Ethanol	ND	<	200		1360	1610	µg/g	84.5	70	130		
Ethyl Ether	ND	<	200		1370	1630	µg/g	84.0	60	120		
2,2 Dimethylbutane	ND	<	30		147	171	µg/g	86.0	60	120		
Acetone	ND	<	200		1400	1630	µg/g	85.9	60	120		
2 Propanol	ND	<	200		1580	1620	µg/g	97.5	60	120		
Ethyl Formate	ND	<	500		1340	1670	µg/g	80.2	70	130		
Acetonitrile	ND	<	100		416	498	µg/g	83.5	60	120		
Methyl Acetate	ND	<	500		1360	1730	µg/g	78.6	70	130		
2,3 Dimethylbutane	ND	<	30		143	171	µg/g	83.6	60	120		
Dichloromethane	ND	<	60		413	483	µg/g	85.5	60	120		
2 Methylpentane	ND	<	30		140	168	µg/g	83.3	60	120		
M BE	ND	<	500		1370	1650	µg/g	83.0	70	130		
3 Methylpentane	ND	<	30		127	167	µg/g	76.0	60	120		
Hexane	ND	<	30		185	182	µg/g	101.6	60	120		
1 Propanol	ND	<	500		1260	1620	µg/g	77.8	70	130		
Methylethylketone	ND	<	500		1290	1620	µg/g	79.6	70	130		
Ethyl acetate	ND	<	200		1360	1610	µg/g	84.5	60	120		
2 Butanol	ND	<	200		1370	1600	µg/g	85.6	60	120		
etrahydrofuran	ND	<	100		401	483	µg/g	83.0	60	120		
Cyclohexane	ND	<	200		1360	1610	µg/g	84.5	60	120		
2 methyl 1 propanol	ND	<	500		1270	1620	µg/g	78.4	70	130		
Benzene	ND	<	1		4.69	5.02	µg/g	93.4	60	120		
Isopropyl Acetate	ND	<	200		1400	1620	µg/g	86.4	60	120		
Heptane	ND	<	200		1440	1610	µg/g	89.4	60	120		
1 Butanol	ND	<	500		1280	1630	µg/g	78.5	70	130		
Propyl Acetate	ND	<	500		1270	1610	µg/g	78.9	70	130		
1,4 Dioxane	ND	<	100		416	491	µg/g	84.7	60	120		
2 Ethoxyethanol	ND	<	30		160	181	µg/g	88.4	60	120		
Methylisobutylketone	ND	<	500		1290	1620	µg/g	79.6	70	130		
3 Methyl 1 butanol	ND	<	500		1290	1630	µg/g	79.1	70	130		
Ethylene Glycol	ND	<	200		358	484	µg/g	74.0	60	120		
oluene	ND	<	100		414	485	µg/g	85.4	60	120		
Isobutyl Acetate	ND	<	500		1290	1630	µg/g	79.1	70	130		
1 Pentanol	ND	<	500		1230	1620	µg/g	75.9	70	130		
Butyl Acetate	ND	<	500		1250	1620	µg/g	77.2	70	130		
Ethylbenzene	ND	<	200		809	969	µg/g	83.5	60	120		
m,p Xylene	ND	<	200		819	994	µg/g	82.4	60	120		
o Xylene	ND	<	200		806	967	µg/g	83.4	60	120		
Cumene	ND	<	30		141	171	µg/g	82.5	60	120		
Anisole	ND	<	500		1240	1630	µg/g	76.1	70	130		
DMSO	ND	<	500		1280	1680	µg/g	76.2	70	130		
1,2 dimethoxyethane	ND	<	50		138	169	µg/g	81.7	70	130		
riethylamine	ND	<	500		1350	1630	µg/g	82.8	70	130		
N,N dimethylformamide	ND	<	150		391	482	µg/g	81.1	70	130		
N,N dimethylacetamide	ND	<	150		385	510	µg/g	75.5	70	130		
Pyridine	ND	<	50		164	203	µg/g	80.8	70	130		
Sulfolane	ND	<	50		128	172	µg/g	74.4	70	130		
1,2 Dichloroethane	ND	<	1		0.89	1	µg/g	89.0	70	130		
Chloroform	ND	<	1		0.885	1	µg/g	88.5	70	130		
richloroethylene	ND	<	1		0.912	1	µg/g	91.2	70	130		
1,1 Dichloroethane	ND	<	1		0.856	1	µg/g	85.6	70	130		

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QC - Sample Duplicate **Sample ID: 22-014730-0001**

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	
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	
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	
M BE	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	
etrahydrofuran	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	
oluene	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	
riethylamine	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	
Sulfolane	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	
richloroethylene	ND	ND	1	µg/g	0.0	< 20	Acceptable	
1,1 Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	

Abbreviations

ND None Detected at or above MRL
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	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.