



12423 NE  
Whitaker Way  
Portland, OR



**Report** 22-012206/D005.R000  
10/17/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 10/10/22 10:06

**Customer:** DEV Distribution LLC  
**Product identity:** Green Apple Square 2362022DDB0000518 CBD 50mg  
**Client/Metric ID:** .  
**Laboratory ID:**

### Summary

#### Potency:

Analyte per 3.3g	Result	Limits	Units	Status	
CBD per 3.3g	45.2		mg/3.3g		CBD-Total per Serving Size 45.3 mg/3.3g
CBG per 3.3g	0.242		mg/3.3g		
D8 -THQper 3.3g	0.226		mg/3.3g		THC-Total per Serving Size 0.403 mg/3.3g
D9 -THQper 3.3g	0.343		mg/3.3g		(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	0.0181	mg/kg	0.500	pass

#### Microbiology:

Analyte	Result	Units
Mold (RAPID Petrifilm)	10	cfu/g



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**Customer:** DEV Distribution LLC  
**Product identity:** Green Apple Square 2362022DDB0000518 CBD 50mg  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:**  
**Evidence of Cooling:** No  
**Temp:**  
**Relinquished by:**  
**Serving Size #1:**



### Sample Results

Potency per 3.3g	Method: J AOAC 2015 V98-6 (mod 1)		Units	mg/serve	Batch: 2208717	
Analyte	Result	Limits	Units	LOQ		Notes
CBD per 3.3g	45.2		mg/3.3g	1.05		
CBD-A per 3.3g	< LOQ		mg/3.3g	0.105		
CBD-Total per 3.3g	45.3		mg/3.3g	1.14		
CBG per 3.3g	0.242		mg/3.3g	0.105		
CBG-A per 3.3g	< LOQ		mg/3.3g	0.105		
CBG-Total per 3.3g	0.242		mg/3.3g	0.196		
CBN per 3.3g	< LOQ		mg/3.3g	0.105		
D10 -THC per 3.3g	< LOQ		mg/3.3g	0.105		
D8 -THC per 3.3g	0.226		mg/3.3g	0.105		
D9 -THC per 3.3g	0.343		mg/3.3g	0.105		
THC-A per 3.3g	< LOQ		mg/3.3g	0.105		
THC-Total per 3.3g	0.403		mg/3.3g	0.197		

Microbiology							
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2208591	10/13/22 AOAC 990.12 (Petrifilm) <sup>P</sup>	
E.coli	< LOQ		cfu/g	10	2208589	10/13/22 AOAC 991.14 (Petrifilm) <sup>P</sup>	
Total Coliforms	< LOQ		cfu/g	10	2208589	10/13/22 AOAC 991.14 (Petrifilm) <sup>P</sup>	
Mold (RAPID Petrifilm)	10		cfu/g	10	2208590	10/14/22 AOAC 2014.05 (RAPID) <sup>P</sup>	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2208590	10/14/22 AOAC 2014.05 (RAPID) <sup>P</sup>	



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Solvents											
Method: Residual Solvents by GC /MS <sup>b</sup>											
Units µg/g Batch 2208702 Analyze 10/13/22 10:26 AM											
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4 -Dioxane	< LOQ	380	100	pass		3utanol	< LOQ	5000	200	pass	
2-Ethoxyethanol		160	30.0	pass		2-Methylbutane (Isopentane )	< LOQ		200		
2-Methylpentane			30.0			2-Propanol (IPA )	< LOQ	5000	200	pass	
2,2 -Dimethylbutane			30.0			2,2 -Dimethylpropane thylpentane	< LOQ		200		
2,3 -Dimethylbutane			30.0			etonitrile	< LOQ	410	100	pass	
Acetone		5000	200	pass		Butane (sum )	< LOQ	5000	400	pass	
Benzene		2.00	1.00	pass		yl acetate	< LOQ	5000	200	pass	
Cyclohexane		3880	200	pass		hyl ether	< LOQ	5000	200	pass	
Ethyl benzene			200			Ethylene oxide	< LOQ	50.0	20.0	pass	
Ethylene glycol		620	200	pass		ropyl acetate	< LOQ	5000	200	pass	
Hexanes (sum )		290	150	pass		m,p-Xylene	< LOQ		200		
Isopropylbenzene (Cumene)		70.0	30.0	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methanol	< LOQ	3000	200	pass		n-Butane	< LOQ		200		
Methylpropane (Isobutane			200			exane	< LOQ		30.0		
n-Heptane	< LOQ	5000	200	pass		ylene	< LOQ		200		
n-Pentane			200			opane	< LOQ	5000	200	pass	
Pentanes (sum )		5000	600	pass		luene	< LOQ	890	100	pass	
Tetrahydrofuran		720	100	pass		Total Xylenes and Ethyl	< LOQ	2170	600	pass	
Total Xylenes			400								

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless



Pesticides											
Method: AOAC 2007.01 & EN 15662 (mod 1)											
Units mg/kg					Batch	2208818	Analyze 10/17/22 01:18 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin <sup>‡</sup>	< LOQ	0.50	0.250	pass		Acephate <sup>‡</sup>	< LOQ	0.40	0.250	pass	
Acequinocyl <sup>‡</sup>	< LOQ	2.0	1.00	pass		Acetamiprid <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Aldicarb <sup>‡</sup>	< LOQ	0.40	0.200	pass		Azoxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Bifenazate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Bifenthrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Boscalid <sup>‡</sup>	< LOQ	0.40	0.200	pass		Carbaryl <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Carbofuran <sup>‡</sup>	< LOQ	0.20	0.100	pass		Chlorantraniliprole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Chlorfenapyr <sup>‡</sup>	< LOQ	1.0	0.500	pass		Chlorpyrifos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Clofentezine <sup>‡</sup>	< LOQ	0.20	0.100	pass		Cyfluthrin <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Cypermethrin <sup>‡</sup>	< LOQ	1.0	0.500	pass		Daminozide <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Diazinon <sup>‡</sup>	< LOQ	0.20	0.100	pass		Dichlorvos <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Dimethoate <sup>‡</sup>	< LOQ	0.20	0.100	pass		Ethoprophos <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Etofenprox <sup>‡</sup>	< LOQ	0.40	0.200	pass		Etoxazole <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Fenoxycarb <sup>‡</sup>	< LOQ	0.20	0.100	pass		Fenpyroximate <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Fipronil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Flonicamid <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Fludioxonil <sup>‡</sup>	< LOQ	0.40	0.200	pass		Hexythiazox <sup>‡</sup>	< LOQ	1.0	0.400	pass	
Imazalil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Imidacloprid <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Kresoxim-methyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		Malathion <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Metalaxyl <sup>‡</sup>	< LOQ	0.20	0.100	pass		Methiocarb <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Methomyl <sup>‡</sup>	< LOQ	0.40	0.200	pass		MGK-264 <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Myclobutanil <sup>‡</sup>	< LOQ	0.20	0.100	pass		Naled <sup>‡</sup>	< LOQ	0.50	0.250	pass	
Oxamyl <sup>‡</sup>	< LOQ	1.0	0.500	pass		Paclobotrazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Parathion-Methyl <sup>‡</sup>	< LOQ	0.20	0.200	pass		Permethrin <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Phosmet <sup>‡</sup>	< LOQ	0.20	0.100	pass		Piperonyl butoxide <sup>‡</sup>	< LOQ	2.0	1.00	pass	
Prallethrin <sup>‡</sup>	< LOQ	0.20	0.200	pass		Propiconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Propoxur <sup>‡</sup>	< LOQ	0.20	0.100	pass		Pyrethrin I(total) <sup>‡</sup>	< LOQ	1.0	0.500	pass	
Pyridaben <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spinosad <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiromesifen <sup>‡</sup>	< LOQ	0.20	0.100	pass		Spirotetramat <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Spiroxamine <sup>‡</sup>	< LOQ	0.40	0.200	pass		Tebuconazole <sup>‡</sup>	< LOQ	0.40	0.200	pass	
Thiacloprid <sup>‡</sup>	< LOQ	0.20	0.100	pass		Thiamethoxam <sup>‡</sup>	< LOQ	0.20	0.100	pass	
Trifloxystrobin <sup>‡</sup>	< LOQ	0.20	0.100	pass							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyzed Method	Status	Notes		
Arsenic	< LOQ	0.200	mg/kg	0.0163	2208721	10/12/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			
Cadmium	< LOQ	0.200	mg/kg	0.0163	2208721	10/12/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			
Lead	0.0181	0.500	mg/kg	0.0163	2208721	10/12/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			
Mercury	< LOQ	0.100	mg/kg	0.00815	2208721	10/12/22 AOAC 2013.06 (mod.) <sup>p</sup>	pass			



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

**Limit(s) of Quantification (LOQ)** = The lowest 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**

Approved Signatory

Derrick  
Tanner



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**Hemp & Cannabis: Usable / Extract / Finished Product**

**Chain of Custody Record**

ORELAP ID: OR100028 ANAB ISO 17025 ID: AT-1508

DEVDISTRIBUTION 22-012206

Revision: 5  
Effective: 01/04/2022



<b>Company:</b> Dev NutraProducts <b>Contact:</b> Deanna Petrin <b>Address:</b> 8101 Royal Ridge Parkway <b>City:</b> Irving <b>State:</b> TX <b>Zip Code:</b> 75063 <input checked="" type="checkbox"/> <b>Email Results:</b> DROPBOX deanna@devmgf.com <input checked="" type="checkbox"/> <b>Ph:</b> (469) - 373 - 3200 <i>Billing Contact (if different)</i> <b>Name:</b> CC AUTH ON FILE <b>Email:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Ph:</b> ( ) -			<b>Analysis Requested</b> Pesticides Oregon (P2120) <input type="checkbox"/> Residual Solvents Oregon (H0008) <input type="checkbox"/> Heavy Metals (H0013) <input type="checkbox"/> Mycotoxins (H0042) <input type="checkbox"/> Micro Profile D (M1010) <input type="checkbox"/> Terpenes (H0030) <input type="checkbox"/> Potency-Basic (H0014) <input type="checkbox"/> Potency Basic + Expanded (H0010) <input type="checkbox"/> Potency Basic + ADCs (H0015) <input type="checkbox"/> Other:								<b>Batch ID:</b> <b>Sampled by:</b> <b>Custom Reporting:</b> <b>Source Material:</b> <input checked="" type="checkbox"/> - Ind. Hemp product   <input type="checkbox"/> - Rec. Cannabis <b>Reporting Type:</b> <input type="checkbox"/> - Compliance   <input checked="" type="checkbox"/> - R&D <b>Report to:</b> <input type="checkbox"/> - METRC   <input type="checkbox"/> - ODA   <input type="checkbox"/> - USDA   <input type="checkbox"/> - Other: <b>Turnaround time (TAT - Business Days):</b> <input type="checkbox"/> - SBD   <input checked="" type="checkbox"/> - 3BD*   <input type="checkbox"/> - 2BD* <i>*Check for availability</i>				
Lab ID	Client Sample Identification	Sample date	Pesticides Oregon (P2120)	Residual Solvents Oregon (H0008)	Heavy Metals (H0013)	Mycotoxins (H0042)	Micro Profile D (M1010)	Terpenes (H0030)	Potency-Basic (H0014)	Potency Basic + Expanded (H0010)	Potency Basic + ADCs (H0015)	Other:	Material Type †	Weight (Units)	Comments/Metric ID
	Blueberry V2 Square 2732022DDB0000548 CBD 25mg D810mg Melatonin 5mg CBG 5mg	09/30/22	✓	✓	✓	✓	✓	✓	✓				E	39.6g-45g	Contains Active as Noted
	Green Apple Square 2362022DDB0000518 CBD 50mg	09/29/22	✓	✓	✓	✓	✓	✓	✓				E	39.6g-45g	Please report in mg/serving
	Blackberry Square 2772022FBB0000550 D8 40mg	10/04/22	✓	✓	✓	✓	✓	✓	✓				E	39.6g-45g	Standard Serving Sizes: D8: 3.3g D9: 3.75g/3.3g HHC: 3.3g D10: 3.3g THCO: 3.3g CBD:3.3g Mother Liquor: 3.3g Diamonds: 5g Hearts: 6g
	Blueberry V2 Square 2562022DDB0000533 CBD 25mg D810mg Melatonin 5mg CBG 5mg	09/27/22	✓	✓	✓	✓	✓	✓	✓				E	39.6g-45g	
	Blue Raspberry Square 2722022DDB0000547 D8 25mg	09/29/22	✓	✓	✓	✓	✓	✓	✓				E	39.6g-45g	
	601.609 Distillate	10/06/22							✓				C		
<b>Signature - Relinquished By:</b> 			<b>Date:</b> 10/06/22	<b>Time:</b>	<b>Signature - Received By:</b> 			<b>Date:</b> 10/10	<b>Time:</b> 10:06	<b>Lab Use Only:</b> <input checked="" type="checkbox"/> Shipped Via: UPS or <input type="checkbox"/> Client drop off Evidence of cooling: <input type="checkbox"/> Yes   <input checked="" type="checkbox"/> No - Temp (°C): 21.7 Sample in good condition: <input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No Payment: <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: Prelog storage:					

† - Material Type Codes: Plant Material (P) ; Isolate (I) ; Concentrate/Extract (C) ; Tincture/Topical (T) ; Edible (E) ; Beverage (B) ; Vapor Product (V)

Samples submitted to Columbia Laboratories with testing requirements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relinquished by" you are agreeing to these terms  
 12423 NE Whitaker Way Portland, OR 97230 P: (503) 254-1794 | Fax: (503) 254-1452 info@columbialaboratories.com Page \_\_\_\_\_ of \_\_\_\_\_ www.columbialaboratories.com

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Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30



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Revision: 2 Document ID:

Laboratory Quality Control Results

7087

Batch ID: 2208702

Residual Solvents				Laboratory Control Sample					
Method Blank				CFL-E33Effective:					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		401	572	µg/g	70.1	60 - 120	
		< 200		500	731	µg/g	68.4	60 - 120	
		< 200		484	731	µg/g	66.2	60 - 120	
		< 200		736	938	µg/g	78.6	60 - 120	
		< 200		1380	1650	µg/g	83.6	60 - 120	
		< 30		40.3	56.2	µg/g	71.7	60 - 120	
		< 200		1200	1650	µg/g	72.7	60 - 120	
		< 200		1210	1650	µg/g	73.3	60 - 120	
	ND	< 200		1330	1660	µg/g	80.1	70 - 130	
		< 200		1240	1630	µg/g	76.1	60 - 120	
	ND	< 30		134	189	µg/g	70.9	60 - 120	
		< 200		1280	1650	µg/g	77.6	60 - 120	
		< 200		1310	1650	µg/g	79.4	60 - 120	
		< 500		1120	1610	µg/g	69.6	70 - 130	Q6
		< 100		405	504	µg/g	80.4	60 - 120	
	ND	< 500		1200	1630	µg/g	73.6	70 - 130	
	ND	< 30		136	174	µg/g	78.2	60 - 120	
		< 60		414	521	µg/g	79.5	60 - 120	
		< 30		140	187	µg/g	74.9	60 - 120	
		< 500		1220	1600	µg/g	76.3	70 - 130	
		< 30		146	188	µg/g	77.7	60 - 120	
		< 30		147	182	µg/g	80.8	60 - 120	
	ND	< 500		1190	1610	µg/g	73.9	70 - 130	
		< 500		1210	1600	µg/g	75.6	70 - 130	
		< 200		1280	1630	µg/g	78.5	60 - 120	
		< 200		1250	1630	µg/g	76.7	60 - 120	
		< 100		377	508	µg/g	74.5	60 - 120	
		< 200		1220	1640	µg/g	74.4	60 - 120	
	ND	< 500		1170	1620	µg/g	72.2	70 - 130	
		< 1		3.71	4.93	µg/g	75.3	60 - 120	
		< 200		1300	1640	µg/g	79.3	60 - 120	
		< 200		1140	1630	µg/g	69.9	60 - 120	
		< 500		1180	1600	µg/g	73.8	70 - 130	
		< 500		1270	1620	µg/g	78.4	70 - 130	
	ND	< 100		388	493	µg/g	78.7	60 - 120	
	ND	< 30		151	171	µg/g	88.3	60 - 120	
	ND	< 500		1260	1620	µg/g	77.8	70 - 130	
	ND	< 500		1230	1610	µg/g	76.4	70 - 130	
	ND	< 200		388	494	µg/g	78.5	60 - 120	
	ND	< 100		387	508	µg/g	76.5	60 - 120	
	ND	< 500		1210	1620	µg/g	74.7	70 - 130	
	ND	< 500		1170	1610	µg/g	72.7	70 - 130	
	ND	< 500		1180	1610	µg/g	73.3	70 - 130	
	ND	< 200		771	998	µg/g	77.4	60 - 120	
		< 200		784	1010	µg/g	77.6	60 - 120	
		< 200		750	979	µg/g	76.6	60 - 120	
		< 30		136	188	µg/g	72.3	60 - 120	
	ND	< 500		1240	1610	µg/g	77.0	70 - 130	
	ND	< 500		1200	1600	µg/g	75.0	70 - 130	
	ND	< 50		139	190	µg/g	73.2	70 - 130	
	ND	< 500		1160	1610	µg/g	72.0	70 - 130	
	ND	< 150		354	498	µg/g	71.4	70 - 130	
	ND	< 150		377	483	µg/g	78.1	70 - 130	
	ND	< 50		121	167	µg/g	72.5	70 - 130	
	ND	< 50		120	161	µg/g	74.5	70 - 130	
	ND	< 1		0.833	1	µg/g	83.3	70 - 130	
		< 1		0.826	1	µg/g	82.6	70 - 130	
	ND	< 1		0.846	1	µg/g	84.6	70 - 130	
	ND	< 1		0.797	1	µg/g	79.7	70 - 130	



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Revision: 2 Document ID:

QC - Sample Duplicate			Sample ID22-011997-001				
Analyte	Result	Org. Result	LOQ Units	RPD	Limits	Accept/Fail	Notes
Propane	ND	ND	200 µg/g	0.0	< 20	Acceptable	CFL-E33 Effective:
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20	Acceptable	
	ND	ND	30 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	5020	5200	200 µg/g	3.5	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20	Acceptable	
	ND	ND	200 µg/g	0.0	< 20	Acceptable	
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	100 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20	Acceptable	
	ND	ND	60 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20		
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	100 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	1 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	100 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20		
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	100 µg/g	0.0	< 20		
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	200 µg/g	0.0	< 20		
	ND	ND	30 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	50 µg/g	0.0	< 20	Acceptable	
	ND	ND	500 µg/g	0.0	< 20		
	ND	ND	150 µg/g	0.0	< 20		
	ND	ND	150 µg/g	0.0	< 20		
	ND	ND	50 µg/g	0.0	< 20		
	ND	ND	50 µg/g	0.0	< 20	Acceptable	
	ND	ND	1 µg/g	0.0	< 20	Acceptable	
	ND	ND	1 µg/g	0.0	< 20		
	ND	ND	1 µg/g	0.0	< 20	Acceptable	
	ND	ND	1 µg/g	0.0	< 20	Acceptable	

**Abbreviations**

ND - None Detected at or above MRL

**Units of Measure:**

µg/g- Microgram per gram or ppm





12423 NE Whitaker Way  
Portland, OR



Report 22-012206/D005.R000  
10/17/2022  
ORELAP#: OR100028  
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Revision: 1 Document ID: 7148  
Legacy ID: Worksheet Validated  
04/20/2021

Laboratory Quality Control Results  
Batch ID: 2208717

J AOAC 2015 V98-6

LCS	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
2	0.0374	0.034	%	109	80.0 - 120	Acceptable	
2	0.0393	0.037	%	108	80.0 - 120	Acceptable	
2	0.0377	0.035	%	108	80.0 - 120	Acceptable	
1	0.0320	0.033	%	95.5	90.0 - 110	Acceptable	
1	0.0322	0.034	%	96.0	80.0 - 120	Acceptable	
1	0.0330	0.034	%	96.1	80.0 - 120	Acceptable	
1	0.0327	0.034	%	95.6	90.0 - 110	Acceptable	
2	0.0401	0.038	%	107	80.0 - 120	Acceptable	
2	0.0393	0.037	%	107	80.0 - 120	Acceptable	
2	0.0362	0.034	%	108	80.0 - 120	Acceptable	
1	0.0323	0.034	%	96.0	90.0 - 110	Acceptable	
2	0.0359	0.034	%	105	80.0 - 120	Acceptable	
1	0.0335	0.035	%	96.9	90.0 - 110	Acceptable	
1	0.0335	0.033	%	100	90.0 - 110	Acceptable	
2	0.0346	0.033	%	105	80.0 - 120	Acceptable	
1	0.0297	0.032	%	93.1	80.0 - 120	Acceptable	
2	0.0379	0.036	%	105	80.0 - 120	Acceptable	
1	0.0326	0.033	%	98.4	90.0 - 110	Acceptable	
2	0.0381	0.035	%	108	80.0 - 120	Acceptable	
2	0.0198	0.019	%	106	80.0 - 120	Acceptable	
2	0.0377	0.037	%	101	80.0 - 120	Acceptable	

Result	LOQ	Units	Limits	Evaluation	Notes
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	
<LOQ	0.0006	%	< 0.0006	Acceptable	

Units of Measure:



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Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2208717		Sample ID: 21-012002-0003				
Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes	
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.0253	0.0256	0.003	%	1.39	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.0041	0.0040	0.003	%	2.08	< 20	Acceptable		
9.06	9.07	0.003	%	0.166	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.0021	0.0021	0.003	%	2.57	< 20	Acceptable		
0.0014	0.0014	0.003	%	2.84	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.0058	0.0059	0.003	%	0.854	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable		
0.0012	<LOQ	0.003	%	NA	< 20	Acceptable		
<LOQ	<LOQ	0.003	%	NA	<	Acceptable		
0.0042	0.0044	0.003	%	2.67	< 20	Acceptable		

Units of Measure:



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10/30/2020

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg		Batch ID: 2208818			
Laboratory Control Sample							
Blank Result	Blank Limits	Notes	LCS	LCS Spike	LCS % Rec	Limits	Notes
0.000	< 0.250			1.000	80.0	50.0	150
0.000	< 0.250			1.000	93.2	60.0	120
0.000	< 1.000			4.000	76.0	40.0	160
0.000	< 0.100			0.400	88.5	60.0	120
0.000	< 0.200			0.800	91.3	60.0	120
0.000	< 0.100			0.400	75.3	60.0	120
0.000	< 0.100			0.400	76.9	60.0	120
0.000	< 0.100			0.400	88.9	50.0	150
0.000	< 0.200			0.800	70.4	60.0	120
0.000	< 0.100			0.400	94.5	60.0	120
0.000	< 0.100			0.400	93.9	60.0	120
0.000	< 0.100		0.270	0.400	67.4	60.0	120
0.000	< 0.500			2.000	75.8	60.0	120
0.000	< 0.100			0.400	76.6	60.0	120
0.000	< 0.100			0.400	8.6	60.0	120 Q6
0.000	< 0.500			2.000	89.1	50.0	150
0.000	< 0.500		1.698	2.000	84.9	50.0	150 Q6
0.000	< 0.500			2.000	37.8	60.0	120
0.000	< 0.100			0.400	79.6	60.0	120
0.000	< 0.500			2.000	96.6	60.0	120
0.000	< 0.100			0.400	94.6	60.0	120
0.000	< 0.100		0.359	0.400	89.7	60.0	120
0.000	< 0.200			0.800	88.7	50.0	150
0.000	< 0.100			0.400	78.8	60.0	120
0.000	< 0.100			0.400	73.5	60.0	120
0.000	< 0.200			0.800	79.8	60.0	120
0.000	< 0.200		0.547	0.800	68.4	60.0	120
0.000	< 0.250			1.000	83.3	60.0	120
0.000	< 0.200			0.800	92.2	50.0	150
0.000	< 0.250			1.000	75.1	60.0	120
0.000	< 0.100			0.400	81.3	60.0	120
0.000	< 0.200		0.625	0.800	78.1	60.0	120
0.000	< 0.200			0.800	80.2	60.0	120
0.000	< 0.100			0.400	82.9	60.0	120
0.000	< 0.100			0.400	87.4	60.0	120
0.000	< 0.100			0.400	88.0	60.0	120
0.000	< 0.200		0.693	0.800	86.6	60.0	120
0.000	< 0.100			0.400	73.7	50.0	150
0.000	< 0.100		0.297	0.400	74.2	60.0	120
0.000	< 0.250			1.000	68.4	50.0	150
0.000	< 0.500			2.000	70.1	60.0	120
0.000	< 0.200			0.800	73.2	60.0	120
0.000	< 0.200			0.800	77.3	50.0	150
0.000	< 0.100		0.350	0.400	87.5	50.0	150
0.000	< 0.100		0.317	0.400	79.3	50.0	150
0.000	< 0.500		1.509	2.000	75.4	60.0	120
0.000	< 0.100			0.400	70.2	60.0	120
0.000	< 0.200		0.576	0.800	72.0	60.0	120
0.000	< 0.100		0.385	0.400	96.1	60.0	120
0.000	< 0.100			0.413	71.7	60.0	120
0.000	< 0.100			0.400	80.5	50.0	150
0.000	< 0.100			0.388	75.6	50.0	150
0.000	< 0.100			0.400	83.2	60.0	120
0.000	< 0.100		0.272	0.400	67.9	60.0	120
0.000	< 0.200			0.800	79.2	60.0	120
0.000	< 0.200			0.800	74.5	60.0	120
0.000	< 0.100			0.400	87.2	60.0	120
0.000	< 0.100			0.400	82.3	60.0	120
0.000	< 0.100		0.299	0.400	74.9	60.0	120



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**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg				Batch ID208818				Sample ID: 22-012206-0001	Notes
Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec				
0.000	0.923	0.957	1.000	3.6%	< 30	92.3%	95.7%	50	- 150		
0.000	1.230	1.176	1.000	4.5%	< 30	123.0%	117.6%	50	- 150		
0.000	3.601	3.589	4.000	0.3%	< 30	90.0%	89.7%	50	- 150		
0.000	0.470	0.471	0.400	0.2%	< 30	117.6%	117.8%	50	- 150		
0.000	0.307	0.307	0.800	0.1%	< 30	38.4%	38.3%	50	- 150	Q	
0.000	0.432	0.426	0.400	1.5%	< 30	107.9%	106.4%	50	- 150		
0.000	0.386	0.388	0.400	0.5%	< 30	96.5%	97.0%	50	- 150		
0.000	0.371	0.369	0.400	0.4%	< 30	92.6%	92.3%	50	- 150		
0.000	0.698	0.679	0.800	2.7%	< 30	87.2%	84.9%	50	- 150		
0.000	0.496	0.486	0.400	2.1%	< 30	124.1%	121.5%	50	- 150		
0.000	0.535	0.537	0.400	0.4%	< 30	133.8%	134.3%	50	- 150		
0.000	0.330	0.331	0.400	0.3%	< 30	82.5%	82.7%	50	- 150		
0.000	1.767	1.869	2.000	5.6%	< 30	88.4%	93.5%	50	- 150		
0.000	0.376	0.375	0.400	0.4%	< 30	94.0%	93.6%	50	- 150		
0.000	0.245	0.234	0.400	4.7%	< 30	61.2%	58.4%	50	- 150		
0.000	1.634	1.764	2.000	7.6%	< 30	81.7%	88.2%	30	- 150		
0.000	1.697	1.726	2.000	1.7%	< 30	84.9%	86.3%	50	- 150		
0.000	1.353	1.322	2.000	2.3%	< 30	67.6%	66.1%	30	- 150		
0.000	0.433	0.410	0.400	5.5%	< 30	108.3%	102.5%	50	- 150		
0.000	2.249	2.228	2.000	1.0%	< 30	112.5%	111.4%	50	- 150		
0.000	0.438	0.434	0.400	1.0%	< 30	109.5%	108.4%	50	- 150		
0.000	0.408	0.406	0.400	0.5%	< 30	102.1%	101.6%	50	- 150		
0.000	0.804	0.806	0.800	0.3%	< 30	100.5%	100.8%	50	- 150		
0.000	0.400	0.401	0.400	0.4%	< 30	99.9%	100.3%	50	- 150		
0.000	0.378	0.374	0.400	1.0%	< 30	94.4%	93.5%	50	- 150		
0.000	0.707	0.727	0.800	2.8%	< 30	88.3%	90.9%	50	- 150		
0.000	0.706	0.726	0.800	2.9%	< 30	88.2%	90.8%	50	- 150		
0.000	0.803	0.806	1.000	0.4%	< 30	80.3%	80.6%	50	- 150		
0.000	0.800	0.799	0.800	0.2%	< 30	100.1%	99.8%	50	- 150		
0.000	0.954	0.989	1.000	3.6%	< 30	95.4%	98.9%	50	- 150		
0.000	0.455	0.448	0.400	1.5%	< 30	113.8%	112.1%	50	- 150		
0.000	0.537	0.542	0.800	0.8%	< 30	67.2%	67.7%	50	- 150		
0.000	0.823	0.840	0.800	2.0%	< 30	102.9%	105.0%	50	- 150		
0.000	0.427	0.420	0.400	1.7%	< 30	106.8%	105.0%	50	- 150		
0.000	0.415	0.419	0.400	1.0%	< 30	103.8%	104.8%	50	- 150		
0.000	0.407	0.409	0.400	0.5%	< 30	101.8%	102.3%	50	- 150		
0.000	0.785	0.787	0.800	0.3%	< 30	98.1%	98.3%	50	- 150		
0.000	0.369	0.383	0.400	3.7%	< 30	92.2%	95.7%	50	- 150		
0.000	0.360	0.368	0.400	2.1%	< 30	90.0%	92.0%	50	- 150		
0.000	1.031	1.036	1.000	0.5%	< 30	103.1%	103.6%	50	- 150		
0.000	1.847	1.912	2.000	3.4%	< 30	92.4%	95.6%	50	- 150		
0.000	0.751	0.748	0.800	0.4%	< 30	93.8%	93.5%	50	- 150		
0.000	0.941	0.911	0.800	3.3%	< 30	117.7%	113.8%	30	- 150		
0.000	0.357	0.354	0.400	0.8%	< 30	89.2%	88.5%	50	- 150		
0.000	0.378	0.386	0.400	2.2%	< 30	94.4%	96.6%	50	- 150		
0.000	1.947	1.905	2.000	2.1%	< 30	97.3%	95.3%	50	- 150		
0.000	0.367	0.371	0.400	1.0%	< 30	91.7%	92.7%	50	- 150		
0.000	0.762	0.772	0.800	1.4%	< 30	95.2%	96.5%	50	- 150		
0.000	0.510	0.510	0.400	0.0%	< 30	127.5%	127.6%	50	- 150		
0.000	0.642	0.646	0.413	0.7%	< 30	155.5%	156.5%	50	- 150	Q	
0.000	0.395	0.406	0.400	2.6%	< 30	98.8%	101.4%	50	- 150		
0.000	0.387	0.399	0.388	3.0%	< 30	99.7%	102.8%	50	- 150		
0.000	0.409	0.412	0.400	0.8%	< 30	102.2%	103.0%	50	- 150		
0.000	0.340	0.341	0.400	0.3%	< 30	85.0%	85.3%	50	- 150		
0.000	0.831	0.813	0.800	2.2%	< 30	103.9%	101.6%	50	- 150		
0.000	0.771	0.745	0.800	3.4%	< 30	96.4%	93.2%	50	- 150		
0.000	0.161	0.158	0.400	2.0%	< 30	40.3%	39.5%	50	- 150	Q	
0.000	0.310	0.325	0.400	4.7%	< 30	77.5%	81.2%	50	- 150		
0.000	0.362	0.360	0.400	0.7%	< 30	90.6%	90.0%	50	- 150		

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless



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Explanation of QC Flag Comments:

Code	Explanation
	Interferences affecting spike or surrogate recoveries.
	Quality control result biased high. Only non-detect samples
	Result outside QC limits. Data considered estimate.
	Concentration greater than four times the amount
	Heterogeneous sample matrix, affecting RPD result and/or %
	Results above calibration curve.
	Result outside QC limits. Data acceptable based on remaining
	Percent difference (RPD) outside control limit.
	RPD non-calculable, as sample or duplicate results are less than five times the
	RPD non-calculable, as only one replicate is within the analytical
	Detection level raised due to low sample volume and/or
	Detection level raised due to matrix interference.
	Contaminant detected in method blank, but not in associated
	The sample concentration is greater than 5 times the blank
	The sample concentration is less than 5 times the blank concentration.