



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

**Report Number:** 22-001538/D005.R000  
**Report Date:** 02/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 02/10/22 15:44

**Customer:** IHC, LLC  
 United States of America (USA)  
**Product identity:** TST-167-GVB D-CRD Primary  
**Client/Metric ID:** .  
**Sample Date:** 02/10/22 12:00  
**Laboratory ID:** 22-001538-0003  
**Evidence of Cooling:** No  
**Temp:** 18.9 °C  
**Relinquished by:** Thompson

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201328	Analyze: 2/15/22 3:26:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	3.46		0.0973			
CBC-A†	< LOQ		0.0973			
CBC-Total†	3.46		0.183			
CBD	41.6		0.973			
CBD-A	< LOQ		0.0973			
CBD-Total	41.6		1.06			
CBDV†	1.03		0.0973			
CBDV-A†	< LOQ		0.0973			
CBDV-Total†	1.03		0.182			
CBE†	4.18		0.0973			
CBG†	2.21		0.0973			
CBG-A†	< LOQ		0.0973			
CBG-Total	2.21		0.182			
CBL†	0.606		0.0973			
CBL-A†	< LOQ		0.0973			
CBL-Total†	0.606		0.183			
CBN	4.87		0.0973			
CBT†	10.7		0.0973			
Δ8-THC†	< LOQ		0.0973			
Δ8-THCV	< LOQ		0.0973			
Δ9-THC	< LOQ		0.0973			
THC-A	< LOQ		0.0973			
THC-Total	< LOQ		0.183			
THCV†	< LOQ		0.0973			
THCV-A†	< LOQ		0.0973			
THCV-Total†	< LOQ		0.182			
<b>Total Cannabinoids†</b>	<b>68.7</b>					



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Solvents						Residual Solvents by GC/MS							
Analyte	Method	Result	Limits	LOQ	Status	Notes	Analyte	Method	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) Units mg/kg Batch 2201285 Analyze 02/15/22 08:20 AM											
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		Acetamiprid	< LOQ	0.20	0.100	pass	
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass	
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	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		Etoxazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< 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							



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**Customer:** IHC, LLC  
United States of America (USA)  
**Product identity:** TST-167-GVB D-CRD Dup  
**Client/Metric ID:** .  
**Sample Date:** 02/10/22 12:00  
**Laboratory ID:** 22-001538-0004  
**Evidence of Cooling:** No  
**Temp:** 18.9 °C  
**Relinquished by:** Thompson

### Sample Results

Potency	Method J AOAC 2015 V98-6 (mod)			Units %	Batch: 2201328	Analyze: 2/15/22 3:34:00 AM
Analyte	As Received	Dry weight	LOQ	Notes		
CBC	3.38		0.0913			
CBC-A†	< LOQ		0.0913			
CBC-Total†	3.38		0.171			
CBD	40.2		0.913			
CBD-A	< LOQ		0.0913			
CBD-Total	40.2		0.993			
CBDV†	1.01		0.0913			
CBDV-A†	< LOQ		0.0913			
CBDV-Total†	1.01		0.170			
CBE†	4.07		0.0913			
CBG†	2.16		0.0913			
CBG-A†	< LOQ		0.0913			
CBG-Total	2.16		0.170			
CBL†	0.589		0.0913			
CBL-A†	< LOQ		0.0913			
CBL-Total†	0.589		0.171			
CBN	4.75		0.0913			
CBT†	10.4		0.0913			
Δ8-THC†	< LOQ		0.0913			
Δ8-THCV	< LOQ		0.0913			
Δ9-THC	< LOQ		0.0913			
THC-A	< LOQ		0.0913			
THC-Total	< LOQ		0.171			
THCV†	< LOQ		0.0913			
THCV-A†	< LOQ		0.0913			
THCV-Total†	< LOQ		0.170			
<b>Total Cannabinoids†</b>	<b>66.6</b>					



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Solvents						Residual Solvents by GC/MS							
Analyte	Method	Result	Limits	LOQ	Status	Notes	Analyte	Method	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)	Units mg/kg	Batch 2201285	Analyze 02/15/22 08:20 AM				
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		Acetamiprid	< LOQ	0.20	0.100	pass		
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass		
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass		
Boscalid	< LOQ	0.40	0.200	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		Etoxazole	< LOQ	0.20	0.100	pass		
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass		
Fipronil	< LOQ	0.40	0.200	pass		Fonicamid	< 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								



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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.

† = Analyte not NELAP accredited.

**Units of Measure**

µg/g = Microgram per gram

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

% = Percentage of sample

% wt = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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**Statistical Analysis:  
 TST-167-GVB D-CRD**

	Analysis mg/g						
	CBD	CBD-A	CBD-Total	CBN	THC	THC-A	THC-Total
22-001538-0003	416	< 0.185	416	48.7	< 0.243	< 0.224	< 1.83
22-001538-0004	402	< 0.174	402	47.5	< 0.228	< 0.21	< 1.71
Average mg/g	409	n/a	409	48.1	n/a	n/a	n/a
Stdev	7.00	0.000	7.00	0.600	0.000	0.000	0.000
%RPD	3.4%	0.0%	3.4%	2.5%	0.0%	0.0%	0.0%
Pass/Fail (<15%RPD)	n/a	n/a	n/a	n/a	n/a	n/a	Pass



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 Portland OR, 97230  
 Phone: (503)254-1794 Fax: (503)254-1452

**Cannabis Chain of Custody Record**



ORELAP ID: OR100028  
 OLCC license #: 1003224D558

Collected By:	Relinquished By:	Date	Time	Received By:	Date	Time	Labs Use Only:
<input type="checkbox"/> Standard 5 day <input checked="" type="checkbox"/> Rush (1.5 x Standard) <input type="checkbox"/> Priority Rush (2 x Standard) <b>Ask About Availability</b>	<i>[Signature]</i>	2/10/22	12:51	<i>[Signature]</i>	2/10/22	12:51	Client Alias: _____ Order Number: _____ <input type="checkbox"/> Proper Container <input type="checkbox"/> Sample Condition <input type="checkbox"/> Temperature: 18.9 °C <input type="checkbox"/> Shipped Via: _____ Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No
	<i>[Signature]</i>	2/10/22	15:33	<i>[Signature]</i>	2/10/22	15:44	

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO COLUMBIA LABORATORIES WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE LAST PAGE OF THIS FORM

Revision: 0.00 Control#: CF004  
 Effective date: 03/20/2020 Revision Date: 03/20/2020

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 Portland OR, 97230  
 Phone: (503)254-1794 Fax: (503)254-1452

**Cannabis Chain of Custody Record**



Chain of Custody Instructions	
REPORT ATTENTION -	Name of the person who receives the labs report
CUSTOMER NAME -	Name of the company or individual requesting the analysis.
MAILING ADDRESS -	Address of the customer to which the labs report and billings should be sent.
REPORT INSTRUCTIONS -	A brief description of any special mail or transmittal instruction or address information pertaining to extra report copies.
PROJECT NAME -	Applies to customer project name.
PROJECT NUMBER -	Applies only to samples submitted by the customer for its internal identification purposes.
REPORTING REQUEST STATE COMPLIANCE	Applies to all samples <b>MUST BE CHECKED FOR ALL COMPLIANCE WORK REQUESTED</b> for reporting to METRC
SAMPLE ID -	A short description of the sample point and material to be analyzed. This description will appear on the report.
COLLECTION DATE -	The date on which the sample(s) was/were collected.
COLLECTION TIME -	The time at which the sample(s) was/were collected.
MEDIA -	This is a description of the sample media (e.g., drinking water, waste water, soil, etc.)
ANALYSIS REQUESTED -	Use one line for each analysis or group of analyses associated to a specific bottle or container.
SAMPLE COLLECTED BY -	The person who collected the sample(s) signs here.
RELINQUISHED BY -	The sampler signs this box when he/she gives the sample to someone else, and then fills in the date/time the sample left his/her possession, etc.
RECEIVED BY -	The person who receives the sample(s) signs here and fills in the date/time received. The date and time should be same as "Relinquished by" unless the sample(s) was shipped.
JOB OR SAMPLE REMARKS -	General sample or job remarks such as high concentrations, or hazardous content.
AUTHORIZED CUSTOMER SIGNATURE -	Form must be signed by authorized representative of customer.

**TERMS AND CONDITION**

**PRICING AND CHARGES** - Prices to be charged for work performed for CUSTOMER are those currently published in the COLUMBIA LABORATORIES LABS, LLC (COLUMBIA LABORATORIES) standard price book unless otherwise agreed in writing by the CUSTOMER and COLUMBIA LABORATORIES. CUSTOMER must notify COLUMBIA LABORATORIES of price quotation at the time of the transfer of sample(s) to COLUMBIA LABORATORIES. Any cancellation of testing requirements will result in charges being assessed on all testing completed prior to the notice of cancellation. Unless otherwise agreed upon, samples containing hazardous material, will be shipped back to client at their expense, or disposed of at a certain fee, waste category dependent.

**DELIVERY AND LIABILITY LIMITATIONS** The specific format of the goods will be defined by CUSTOMER to COLUMBIA LABORATORIES upon delivery of the sample(s) to COLUMBIA LABORATORIES. COLUMBIA LABORATORIES will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the COLUMBIA LABORATORIES Quality Assurance Plan (QAP). Samples are retained for 15-days. If additional time is desired, then a written request is required and an additional monthly fee will apply.

**CONFIDENTIALITY** - COLUMBIA LABORATORIES will use its best efforts to treat all information regarding work performed for CUSTOMER as proprietary and confidential. No CUSTOMER information will be released to third persons without the written request of the CUSTOMER.

**LIMITATION OF LIABILITY AND WARRANTY**  
 COLUMBIA LABORATORIES gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of COLUMBIA LABORATORIES to CUSTOMER or any third party shall be limited to the cost of analysis charged to CUSTOMER.

**PAST DUE ACCOUNTS**  
 Credit line account are payable within 30 days. Accounts that are past 60 days will incur 1 1/2% per month on all sums past due until paid in full. Customer agrees to pay the interest as a service charge and all of COLUMBIA LABORATORIES's collection costs, including reasonable attorney fees.

**EXPERT TESTIMONY AND COURT APPEARANCES**  
 In the event CUSTOMER requires the further written opinion or testimony of any employee of COLUMBIA LABORATORIES, including response to a subpoena issued by CUSTOMER or any third person, CUSTOMER agrees to pay such additional fees and expenses as may be reasonably assessed by COLUMBIA LABORATORIES.

**ALTERNATIVE DISPUTE RESOLUTION (ADR)**  
 Any disputes arising out of this Agreement or the analytical testing of reporting of COLUMBIA LABORATORIES shall be settled through mediation and/or arbitration rather than litigation, and the cost of the ADR shall be borne equally by both parties.

**APPLICABLE LAW**  
 Legal matters arising from work performed by COLUMBIA LABORATORIES for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon.

Revision: 0.00 Control#: CF004  
 Effective date: 03/20/2020 Revision Date: 03/20/2020

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

**Report Number:** 22-001538/D005.R000  
**Report Date:** 02/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 02/10/22 15:44



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503-254-1794

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**Received:** 02/10/22 15:44

Revision: 3 Document ID: 3120  
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg		Laboratory Control Sample		Batch ID: 2201285	
Method Blank							
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits
Abamectin	0.000	< 0.250		0.971	1.000	97.1	81.1 - 121
Accephate	0.000	< 0.250		1.048	1.000	104.8	68.1 - 122
Acequinocyl	0.000	< 1.000		3.970	4.000	99.2	82.3 - 117
Acetamiprid	0.000	< 0.100		0.395	0.400	98.7	67.4 - 125
Aldicarb	0.000	< 0.200		0.776	0.800	97.0	73.2 - 122
Azoxystrobin	0.000	< 0.100		0.371	0.400	92.8	75.7 - 121
Bifenazate	0.000	< 0.100		0.255	0.400	63.9	80.2 - 149
Bifenthrin	0.000	< 0.100		0.389	0.400	97.1	74.3 - 119
Boscalid	0.000	< 0.200		0.748	0.800	93.5	73.1 - 128
Carbaryl	0.000	< 0.100		0.392	0.400	98.1	79.3 - 119
Carbofuran	0.000	< 0.100		0.390	0.400	97.5	78.3 - 118
Chlorantraniliprole	0.000	< 0.100		0.400	0.400	100.0	83.7 - 117
Chlorfenapyr	0.000	< 0.500		2.246	2.000	112.3	71.0 - 132
Chlorpyrifos	0.000	< 0.100		0.389	0.400	97.1	71.2 - 117
Clofentazine	0.000	< 0.100		0.396	0.400	99.1	80.9 - 113
Cyfluthrin	0.000	< 0.500		1.964	2.000	98.2	69.0 - 126
Cypermethrin	0.000	< 0.500		1.989	2.000	99.5	81.5 - 114
Daminozide	0.022	< 0.500		1.684	2.000	84.2	76.7 - 142
Diazinon	0.000	< 0.100		0.384	0.400	95.9	78.5 - 119
Dichlorvos	0.000	< 0.500		1.934	2.000	96.7	81.1 - 110
Dimethoate	0.000	< 0.100		0.394	0.400	98.4	81.4 - 116
Ethoprophos	0.000	< 0.100		0.400	0.400	100.1	78.8 - 117
Etofenprox	0.000	< 0.200		0.774	0.800	96.7	71.3 - 132
Etoxazole	0.000	< 0.100		0.396	0.400	99.1	78.9 - 123
Fenoxycarb	0.000	< 0.100		0.400	0.400	100.0	82.0 - 116
Fenpyroximate	0.000	< 0.200		0.784	0.800	97.9	81.1 - 116
Fipronil	0.000	< 0.200		0.786	0.800	98.3	83.8 - 123
Flonicamid	0.000	< 0.250		0.977	1.000	97.7	67.9 - 126
Fludioxonil	0.000	< 0.200		0.807	0.800	100.9	73.0 - 124
Hexythiazox	0.000	< 0.250		0.976	1.000	97.6	75.0 - 122
Imazalil	0.000	< 0.100		0.350	0.400	87.5	73.5 - 130
Imidacloprid	0.000	< 0.200		0.772	0.800	96.5	74.7 - 122
Kresoxim-methyl	0.000	< 0.200		0.800	0.800	100.0	75.4 - 123
Malathion	0.000	< 0.100		0.393	0.400	98.2	72.9 - 129
Metaxyl	0.000	< 0.100		0.392	0.400	98.0	80.2 - 116
Methiocarb	0.000	< 0.100		0.384	0.400	96.0	81.1 - 118
Methomyl	0.000	< 0.200		0.767	0.800	95.8	67.1 - 125
MGK-264	0.000	< 0.100		0.398	0.400	99.4	76.5 - 120
Myclobutanil	0.000	< 0.100		0.379	0.400	94.8	75.2 - 123
Naled	0.000	< 0.250		0.949	1.000	94.9	83.4 - 112
Oxamyl	0.000	< 0.500		2.038	2.000	101.9	72.5 - 120
Paclobutrazole	0.000	< 0.200		0.790	0.800	98.7	81.1 - 117
Parathion-Methyl	0.000	< 0.200		0.918	0.800	114.7	76.4 - 129
Permethrin	0.000	< 0.100		0.397	0.400	99.3	72.9 - 119
Phosmet	0.000	< 0.100		0.393	0.400	98.2	78.3 - 121
Piperonyl butoxide	0.000	< 0.500		1.931	2.000	96.6	70.7 - 131
Prallethrin	0.000	< 0.100		0.397	0.400	99.3	76.9 - 120
Propiconazole	0.000	< 0.200		0.788	0.800	98.5	81.4 - 118
Propoxur	0.000	< 0.100		0.389	0.400	97.1	79.7 - 115
Pyrethrin (Summe)	0.000	< 0.100		0.403	0.413	97.5	73.2 - 136
Pyridaben	0.000	< 0.100		0.402	0.400	100.5	75.0 - 123
Spinosad	0.000	< 0.100		0.394	0.388	101.4	73.7 - 137
Spiromesifen	0.000	< 0.100		0.413	0.400	103.2	76.9 - 128
Spirotetramat	0.000	< 0.100		0.402	0.400	100.5	81.4 - 118
Spiroxamine	0.000	< 0.200		0.744	0.800	93.0	78.9 - 114
Tebuconazole	0.000	< 0.200		0.798	0.800	99.7	80.7 - 119
Thiacloprid	0.000	< 0.100		0.389	0.400	97.3	80.1 - 118
Thiamethoxam	0.000	< 0.100		0.360	0.400	90.1	68.9 - 128
Trifloxystrobin	0.000	< 0.100		0.393	0.400	98.1	78.2 - 118

Q6



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

**Report Number:** 22-001538/D005.R000  
**Report Date:** 02/15/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 02/10/22 15:44

Revision: 3 Document ID: 3120  
Legacy ID: CFL-C21 Worksheet Validated 10/30/2020

**Laboratory Pesticide Quality Control Results**

AOAC 2007.1 & EN 15662		Units: mg/Kg					Batch ID: 2201285			
Matrix Spike/Matrix Spike Duplicate Recoveries		Sample ID: 22-001538-0001								
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	0.759	0.728	1.000	4.1%	< 30	75.9%	72.8%	50 - 150	
Acephate	0.045	0.943	0.942	1.000	0.1%	< 30	89.8%	89.7%	50 - 150	
Acequinocyl	0.000	1.777	2.647	4.000	39.3%	< 30	44.4%	66.2%	50 - 150	R, Q
Acetamiprid	0.000	0.313	0.331	0.400	5.6%	< 30	78.2%	82.7%	50 - 150	
Aldicarb	0.000	0.729	0.750	0.800	2.8%	< 30	91.1%	93.8%	50 - 150	
Azoxystrobin	0.000	0.218	0.216	0.400	1.0%	< 30	54.5%	54.0%	50 - 150	
Bifenazate	0.036	0.240	0.269	0.400	13.0%	< 30	50.9%	58.1%	50 - 150	
Bifenthrin	0.083	0.271	0.296	0.400	12.4%	< 30	47.0%	53.2%	50 - 150	Q
Boscalid	0.000	0.480	0.454	0.800	5.4%	< 30	59.9%	56.8%	50 - 150	
Carbaryl	0.000	0.235	0.244	0.400	3.8%	< 30	58.8%	61.1%	50 - 150	
Carbofuran	0.015	0.227	0.235	0.400	3.8%	< 30	52.8%	54.8%	50 - 150	
Chlorantraniliprole	0.000	0.396	0.428	0.400	7.8%	< 30	98.9%	106.9%	50 - 150	
Chlorfenapyr	0.000	0.435	0.545	2.000	22.3%	< 30	21.8%	27.2%	50 - 150	Q
Chlorpyrifos	0.349	0.802	0.760	0.400	9.8%	< 30	113.2%	102.6%	50 - 150	
Clofentazine	0.000	0.206	0.213	0.400	3.1%	< 30	51.6%	53.2%	50 - 150	
Cyfluthrin	0.000	0.606	0.739	2.000	19.8%	< 30	30.3%	37.0%	30 - 150	
Cypermethrin	0.000	0.660	0.721	2.000	8.9%	< 30	33.0%	36.1%	50 - 150	Q
Daminozide	0.394	1.937	1.862	2.000	5.0%	< 30	77.1%	73.4%	30 - 150	
Diazinon	0.000	0.218	0.218	0.400	0.0%	< 30	54.5%	54.5%	50 - 150	
Dichlorvos	0.000	1.131	1.137	2.000	0.5%	< 30	56.6%	56.8%	50 - 150	
Dimethoate	0.000	0.404	0.414	0.400	2.5%	< 30	100.9%	103.4%	50 - 150	
Ethoprophos	0.013	0.265	0.291	0.400	9.8%	< 30	62.9%	69.4%	50 - 150	
Etofenprox	0.000	0.432	0.444	0.800	2.9%	< 30	53.9%	55.5%	50 - 150	
Etoxazole	0.000	0.241	0.234	0.400	3.2%	< 30	60.3%	58.4%	50 - 150	
Fenoxycarb	0.000	0.253	0.244	0.400	3.4%	< 30	63.2%	61.1%	50 - 150	
Fenpyroximate	0.000	0.377	0.417	0.800	10.1%	< 30	47.1%	52.1%	50 - 150	Q
Fipronil	0.000	0.294	0.339	0.800	14.3%	< 30	36.7%	42.3%	50 - 150	Q
Flonicamid	0.000	0.773	0.810	1.000	4.7%	< 30	77.3%	81.0%	50 - 150	
Fludioxonil	0.000	0.997	1.104	0.800	10.1%	< 30	124.6%	137.9%	50 - 150	
Hexythiazox	0.000	0.328	0.333	1.000	1.6%	< 30	32.8%	33.3%	50 - 150	Q
Imazalil	0.000	0.288	0.325	0.400	12.0%	< 30	72.1%	81.3%	50 - 150	
Imidacloprid	0.000	0.759	0.855	0.800	11.9%	< 30	94.9%	106.9%	50 - 150	
Kresoxim-methyl	0.000	0.552	0.501	0.800	9.8%	< 30	69.0%	62.6%	50 - 150	
Malathion	0.002	0.255	0.256	0.400	0.4%	< 30	63.4%	63.6%	50 - 150	
Metalaxyl	0.011	0.349	0.357	0.400	2.3%	< 30	84.6%	86.5%	50 - 150	
Methiocarb	0.006	0.283	0.295	0.400	4.4%	< 30	69.3%	72.4%	50 - 150	
Methomyl	0.000	0.788	0.735	0.800	7.0%	< 30	98.5%	91.9%	50 - 150	
MGK-264	0.000	0.099	0.104	0.400	5.2%	< 30	24.8%	26.1%	50 - 150	Q
Myclobutanil	0.000	0.186	0.188	0.400	1.2%	< 30	46.4%	47.0%	50 - 150	Q
Naled	0.000	0.479	0.502	1.000	4.7%	< 30	47.9%	50.2%	50 - 150	Q
Oxamyl	0.000	2.034	1.857	2.000	9.1%	< 30	101.7%	92.9%	50 - 150	
Paclobutrazole	0.000	0.471	0.482	0.800	2.3%	< 30	58.8%	60.2%	50 - 150	
Parathion-Methyl	0.000	0.213	0.239	0.800	11.7%	< 30	26.6%	29.9%	30 - 150	R, Q
Permethrin	0.000	0.174	0.171	0.400	2.0%	< 30	43.5%	42.7%	50 - 150	Q
Phosmet	0.000	0.219	0.205	0.400	6.6%	< 30	54.8%	51.3%	50 - 150	
Piperonyl butoxide	0.000	1.173	1.212	2.000	3.3%	< 30	58.6%	60.6%	50 - 150	
Prallethrin	0.396	0.803	0.791	0.400	3.2%	< 30	101.9%	98.7%	50 - 150	
Propiconazole	0.137	0.942	0.909	0.800	4.2%	< 30	100.6%	96.5%	50 - 150	
Propoxur	0.027	0.270	0.278	0.400	3.4%	< 30	60.8%	62.9%	50 - 150	
Pyrethrin (Summe)	0.000	0.318	0.263	0.413	19.0%	< 30	76.9%	63.6%	50 - 150	
Pyridaben	0.000	0.214	0.236	0.400	9.8%	< 30	53.4%	58.9%	50 - 150	
Spinosad	0.000	0.284	0.299	0.388	4.9%	< 30	73.3%	77.0%	50 - 150	
Spiromesifen	0.000	0.279	0.279	0.400	0.1%	< 30	69.8%	69.7%	50 - 150	
Spirotetramat	0.000	0.487	0.430	0.400	12.4%	< 30	121.8%	107.5%	50 - 150	
Spiroxamine	0.000	0.719	0.684	0.800	5.0%	< 30	89.9%	85.5%	50 - 150	
Tebuconazole	0.006	0.534	0.509	0.800	4.9%	< 30	66.0%	62.8%	50 - 150	
Thiacloprid	0.000	0.331	0.348	0.400	5.1%	< 30	82.7%	87.0%	50 - 150	
Thiamethoxam	0.000	0.426	0.326	0.400	26.5%	< 30	106.4%	81.5%	50 - 150	
Trifloxystrobin	0.001	0.205	0.198	0.400	3.3%	< 30	51.0%	49.3%	50 - 150	Q



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**Purchase Order:**  
**Received:** 02/10/22 15:44

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

**Laboratory Quality Control Results**

J AOAC 2015 V98-6		Batch ID: 2201328							
Laboratory Control Sample									
Analyte	Result	Spike	Units	% Rec	Limits		Evaluation	Notes	
CBDVA	0.190	0.2	%	94.8	85.0	- 115	Acceptable		
CBDV	0.212	0.2	%	106	85.0	- 115	Acceptable		
CBE	0.194	0.2	%	97.2	85.0	- 115	Acceptable		
CBDA	0.207	0.2	%	103	85.0	- 115	Acceptable		
CBGA	0.190	0.2	%	95.0	85.0	- 115	Acceptable		
CBG	0.196	0.2	%	98.1	85.0	- 115	Acceptable		
CBD	0.208	0.2	%	104	85.0	- 115	Acceptable		
THCV	0.187	0.2	%	93.7	85.0	- 115	Acceptable		
d8THCV	0.190	0.2	%	95.2	85.0	- 115	Acceptable		
THCVA	0.179	0.2	%	89.5	85.0	- 115	Acceptable		
CBN	0.209	0.2	%	105	85.0	- 115	Acceptable		
exo-THC	0.177	0.2	%	88.7	85.0	- 115	Acceptable		
d9THC	0.196	0.2	%	98.1	85.0	- 115	Acceptable		
d8THC	0.185	0.2	%	92.5	85.0	- 115	Acceptable		
CBL	0.173	0.2	%	86.6	85.0	- 115	Acceptable		
CBC	0.191	0.2	%	95.6	85.0	- 115	Acceptable		
THCA	0.198	0.2	%	98.9	85.0	- 115	Acceptable		
CBCA	0.193	0.2	%	96.6	85.0	- 115	Acceptable		
CBLA	0.199	0.2	%	99.6	85.0	- 115	Acceptable		
CBT	0.172	0.2	%	85.8	85.0	- 115	Acceptable		

**Method Blank**

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBE	<LOQ	0.1	%	< 0.1	Acceptable	
CBDA	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d9THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBLA	<LOQ	0.1	%	< 0.1	Acceptable	
CBT	<LOQ	0.1	%	< 0.1	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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

**Report Number:** 22-001538/D005.R000  
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Revision: 1 Document ID: 7148  
Legacy ID: Worksheet Validated 04/20/2021

**Laboratory Quality Control Results**

J AOAC 2015 V98-6		Batch ID: 2201328						
Sample Duplicate		Sample ID: 22-001538-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	0.694	0.696	0.1	%	0.306	< 20	Acceptable	
CBE	4.36	4.36	0.1	%	0.0580	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	2.62	2.64	0.1	%	0.674	< 20	Acceptable	
CBD	39.3	40.1	0.1	%	2.01	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	4.98	5.01	0.1	%	0.598	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBL	0.611	0.598	0.1	%	2.15	< 20	Acceptable	
CBC	6.22	6.25	0.1	%	0.561	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	10.4	10.4	0.1	%	0.493	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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Explanation of QC Flag Comments:

Code	Explanation
Q	Matrix interferences affecting spike or surrogate recoveries.
Q1	Quality control result biased high. Only non-detect samples reported.
Q2	Quality control outside QC limits. Data considered estimate.
Q3	Sample concentration greater than four times the amount spiked.
Q4	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.
Q5	Spike results above calibration curve.
Q6	Quality control outside QC limits. Data acceptable based on remaining QC.
R	Relative percent difference (RPD) outside control limit.
R1	RPD non-calculable, as sample or duplicate results are less than five times the LOQ.
R2	Sample replicates RPD non-calculable, as only one replicate is within the analytical range.
LOQ1	Quantitation level raised due to low sample volume and/or dilution.
LOQ2	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.