



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



Report Number: 22-006728/D002.R000
Report Date: 06/15/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/09/22 10:47

Customer: Nutra Pure LLC
Product identity: CBDPure 300
Client/Metric ID: Batch 52383
Laboratory ID: 22-006728-0001

Summary

Potency:

Analyte per 60ml	Result	Limits	Units	Status	
CBC per 60ml [†]	15.7		mg/60ml		CBD-Total (%) 0.725 %
CBD per 60ml	396		mg/60ml		
CBD-A per 60ml	4.74		mg/60ml		
CBE per 60ml [†]	2.14		mg/60ml		CBD-Total per 60ml 400 mg/60ml
CBG per 60ml [†]	3.07		mg/60ml		
CBT per 60ml [†]	6.96		mg/60ml		
Δ9-THC per 60ml	17.1		mg/60ml		THC-Total (%) 0.0310 %

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



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Customer: Nutra Pure LLC
Product identity: CBDPure 300
Client/Metric ID: Batch 52383
Sample Date:
Laboratory ID: 22-006728-0001
Evidence of Cooling: No
Temp: 21.3 °C
Relinquished by: UPS
Serving Size #1: 55.2 g
Density: 0.9200 g/ml

Sample Results

Potency per 60ml					
Method J AOAC 2015 V98-6 (mod) Units mg/se Batch: 2205067 Analyze: 6/14/22 12:40:00 AM					
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 60ml [†]	15.7		mg/60ml	1.78	
CBC-A per 60ml [†]	< LOQ		mg/60ml	0.0322	
CBC-Total per 60ml [†]	15.7		mg/60ml	3.34	
CBD per 60ml	396		mg/60ml	1.78	
CBD-A per 60ml	4.74		mg/60ml	1.78	
CBD-Total per 60ml	400		mg/60ml	3.34	
CBDV per 60ml [†]	< LOQ		mg/60ml	0.0322	
CBDV-A per 60ml [†]	< LOQ		mg/60ml	0.0322	
CBDV-Total per 60ml [†]	< LOQ		mg/60ml	0.0601	
CBE per 60ml [†]	2.14		mg/60ml	1.78	
CBG per 60ml [†]	3.07		mg/60ml	1.78	
CBG-A per 60ml [†]	< LOQ		mg/60ml	0.0322	
CBG-Total per 60ml [†]	< LOQ		mg/60ml	3.32	
CBL per 60ml [†]	< LOQ		mg/60ml	0.0322	
CBL-A per 60ml [†]	< LOQ		mg/60ml	0.0322	
CBL-Total per 60ml [†]	< LOQ		mg/60ml	0.0605	
CBN per 60ml	< LOQ		mg/60ml	0.0322	
CBT per 60ml [†]	6.96		mg/60ml	1.78	
Δ8-THCV per 60ml [†]	< LOQ		mg/60ml	0.0322	
Δ8-THC per 60ml [†]	< LOQ		mg/60ml	0.0322	
Δ9-THC per 60ml	17.1		mg/60ml	1.78	
exo-THC per 60ml [†]	< LOQ		mg/60ml	0.0322	
THC-A per 60ml	< LOQ		mg/60ml	0.0322	
THC-Total per 60ml	17.1		mg/60ml	3.34	
THCV per 60ml [†]	< LOQ		mg/60ml	0.0322	
THCV-A per 60ml [†]	< LOQ		mg/60ml	0.0322	
THCV-Total per 60ml [†]	< LOQ		mg/60ml	0.0605	
Total Cannabinoids per 60ml	445		mg/60ml		



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Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aerobic Plate Count	< LOQ		cfu/g	10	2204954	06/12/22	AOAC 990.12 (Petrifilm)	X	
E.coli	< LOQ		cfu/g	10	2204952	06/12/22	AOAC 991.14 (Petrifilm)	X	
Total Coliforms	< LOQ		cfu/g	10	2204952	06/12/22	AOAC 991.14 (Petrifilm)	X	
Staphylococcus aureus	< LOQ		cfu/g	10	2204956	06/11/22	AOAC 2003.07	X	
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2204953	06/13/22	AOAC 2014.05 (RAPID)	X	
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2204953	06/13/22	AOAC 2014.05 (RAPID)	X	
E. coli, O157:H7 (by PCR)	Negative		/25g		2204959	06/11/22	AOAC 2019.03	X	
Listeria spp.	Negative		/25g		2204958	06/11/22	AOAC 2019.10	X	
Salmonella spp. by PCR	Negative		/25g		2204957	06/11/22	AOAC 2020.02	X	

Solvents Method Residual Solvents by GC/MS Units µg/g Batch 2205119 Analyze 06/15/22 12:10 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
1,4-Dioxane	< LOQ	380	100	pass		2-Butanol	< LOQ	5000	200	pass	
2-Ethoxyethanol	< LOQ	160	30.0	pass		2-Methylbutane (Isopentane)	< LOQ		200		
2-Methylpentane	< LOQ		30.0			2-Propanol (IPA)	< LOQ	5000	200	pass	
2,2-Dimethylbutane	< LOQ		30.0			2,2-Dimethylpropane (neo-pentane)	< LOQ		200		
2,3-Dimethylbutane	< LOQ		30.0			3-Methylpentane	< LOQ		30.0		
Acetone	< LOQ	5000	200	pass		Acetonitrile	< LOQ	410	100	pass	
Benzene	< LOQ	2.00	1.00	pass		Butanes (sum)	< LOQ	5000	400	pass	
Cyclohexane	< LOQ	3880	200	pass		Ethyl acetate	< LOQ	5000	200	pass	
Ethyl benzene	< LOQ		200			Ethyl ether	< LOQ	5000	200	pass	
Ethylene glycol	< LOQ	620	200	pass		Ethylene oxide	< LOQ	50.0	20.0	pass	
Hexanes (sum)	< LOQ	290	150	pass		Isopropyl acetate	< LOQ	5000	200	pass	
Isopropylbenzene (Cumene)	< LOQ	70.0	30.0	pass		m,p-Xylene	< LOQ		200		
Methanol	< LOQ	3000	200	pass		Methylene chloride	< LOQ	600	60.0	pass	
Methylpropane (Isobutane)	< LOQ		200			n-Butane	< LOQ		200		
n-Heptane	< LOQ	5000	200	pass		n-Hexane	< LOQ		30.0		
n-Pentane	< LOQ		200			o-Xylene	< LOQ		200		
Pentanes (sum)	< LOQ	5000	600	pass		Propane	< LOQ	5000	200	pass	
Tetrahydrofuran	< LOQ	720	100	pass		Toluene	< LOQ	890	100	pass	
Total Xylenes	< LOQ		400			Total Xylenes and Ethyl benzene	< LOQ	2170	600	pass	



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Pesticides											
Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2205104 Analyze 06/15/22 09:41 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	
Bifentazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass	
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass	
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass	
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass	
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass	
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass	
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass	
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass	
Etofenprox	< LOQ	0.40	0.200	pass		Etoazole	< LOQ	0.20	0.100	pass	
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass	
Fipronil	< LOQ	0.40	0.200	pass		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							

Metals										
Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes	
Arsenic	< LOQ	0.200	mg/kg	0.0960	2205056	06/13/22	AOAC 2013.06 (mod.)	pass	X	
Cadmium	< LOQ	0.200	mg/kg	0.0960	2205056	06/13/22	AOAC 2013.06 (mod.)	pass	X	
Lead	< LOQ	0.500	mg/kg	0.0960	2205056	06/13/22	AOAC 2013.06 (mod.)	pass	X	
Mercury	< LOQ	0.100	mg/kg	0.0480	2205056	06/13/22	AOAC 2013.06 (mod.)	pass	X	



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

Abbreviations

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

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure

/25g = Per 25g

cfu/g = Colony forming units per gram

g = g

g/ml = Gram per milliliter

µg/g = Microgram per gram

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

mg/60ml = Milligram per 60ml

% = Percentage of sample

% wt = µg/g divided by 10,000

Glossary of Qualifiers

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner
General Manager



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Cannabis Chain of Custody Record

ORELAP ID: OR100028

Company: Nutra Pure LLC		Analysis Requested											Purchase Order Number:				
Contact: Luis Monge		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: MICRO PROFILE X	Tinctures/Softgels Density: .92			Project Number:
Address: 800 NE Ternay Rd, Suite 110-326, Vancouver, WA 98685														Reportable Units: Tinctures: mg/60ml Softgels: mg/1 softgel			Project Name:
Email: Luis@Speedwinds.com														Each softgel is .5 ml			<input type="checkbox"/> Report Instructions:
Phone: 208-869-8687 Fax: 503-295-7359																	<input type="checkbox"/> Send to State - METRC
Processor's License:																	<input checked="" type="checkbox"/> Email Final Results:
Field ID	Date/Time Collected													Matrix	Weight	Serving size for edibles	Comments/Metric ID
CBDPure 300 (2 Units)		X		X	X								X	Oil	60 ml	1 gram	Batch 52383

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
<input checked="" type="checkbox"/> Standard (5 day)	Andy Kester	6/6/22		AE	6/9	10:47	Client Alias:
<input type="checkbox"/> Rush (3-4 day) (1.5x Standard)							Order Number:
<input type="checkbox"/> Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: $\geq 1.3^{\circ}\text{C}$
							Shipped Via: UPS
							Evidence of cooling: <input type="checkbox"/> 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: 2.00 Control#: CF023 Effective 04/29/2019 Revised 04/29/2019
www.pixislabs.com
www.columbiainfoodlab.com Page 1 of 2

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 prior arrangements have been made.
Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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Cannabis Chain of Custody Record

PRICING AND CHARGES

Prices to be charged for work performed for CUSTOMER are those currently published in the Columbia Food Laboratories, Inc. DBA Pixis Labs (herein referred to as "the LAB", where Columbia Food Laboratories, Inc. & Pixis Labs can be used interchangeably) standard price book unless otherwise agreed in writing by the CUSTOMER and the LAB. CUSTOMER must notify the LAB of price quotation at the time of the transfer of sample(s) to the LAB. 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. New accounts are accepted with full payment in advance by cash, check, Visa or Mastercard. A credit line may be established with an approved credit application.

DELIVERY AND LIABILITY LIMITATIONS

The specific format of the goods will be defined by CUSTOMER to the LAB upon delivery of the sample(s) to the LAB. The LAB will analyze samples provided by CUSTOMER as requested by CUSTOMER in accordance with the procedures documented in the Quality Assurance Plan (QAP). Samples are retained for 30 days after receipt. If additional time is desired, then a written request is required and an additional monthly fee will apply. This price quote is only valid for one year.

CONFIDENTIALITY

The LAB will 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

The LAB gives no warranty, express or implied, or of fitness for a particular purpose, in connection with its analytical testing or reporting. Any liability of the LAB 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 60 days past due will incur 1 1/2% per month on all past due sums until paid in full and will automatically default to cash on delivery (COD). Reports will not be released unless payment on past and current invoices are received. Customer agrees to pay the interest as a service charge and all the LAB'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 the LAB, 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 the LAB.

ALTERNATIVE DISPUTE RESOLUTION (ADR)

Any disputes arising out of this Agreement or the analytical testing or reporting by the LAB 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 the LAB for CUSTOMER will be construed and interpreted in accordance with the laws for the state of Oregon. When sending, transferring, or submitting samples, the CUSTOMER assumes full responsibility for complying with all applicable state and federal laws.

Revision: 2.00 Control#: CF023
Effective 04/29/2019 Revised 04/29/2019

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Page 2 of 2



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Document ID: 3177 Revision: 3
Effective: 04/26/2022
Page 1 of 1

PACKAGE RECEIVING FORM

Delivery Date: _____ Same as Opened By Date Unsure

How was the package delivered?

UPS FEDEX USPS DHL OTHER: _____

Tracking Number: 1Z 9EX 107 03 8854 9537

CIRCLE ONE

1) Was package sealed with no evidence of holes/tampering? Further custody seal/tampering notes: _____	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
2) Was packing material used? If YES: <input type="checkbox"/> PEANUTS <input checked="" type="checkbox"/> BUBBLE <input checked="" type="checkbox"/> WRAP <input type="checkbox"/> FOAM PAPER	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
3) Was a Complete Chain of Custody (COC) received? Comment (PT?, Email?): _____	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
4) Sample temperature upon arrival?	<u>21.3</u>	°C
5) Evidence of cooling? If YES, What kind? <input type="checkbox"/> ICE <input type="checkbox"/> FREEZER PACK <input type="checkbox"/> DRY ICE Insulation? <input type="checkbox"/> PLASTIC COOLER <input type="checkbox"/> STYROFOAM <input type="checkbox"/> OTHER:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
6) Were sample containers sealed in separate plastic bags/secondary containment?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
7) Did sample containers arrive in good condition? If NO: <input type="checkbox"/> LEAKED <input type="checkbox"/> BROKEN <input type="checkbox"/> OTHER: If NO: Suspect contamination of other samples? <input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
8) Sample labels present?	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
9) Do sample labels agree with COC? If NO, number of sample containers received: _____	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO

Sample pre-log location:

R39 R44 F44 R99 CANNA SHELF FOOD SHELF Other: _____

Other Notes:

Received By (initials): AE Date: 6/9 Time: 10:47



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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: 2205067**

Laboratory Control Sample									
Analyte	LCS	Result	Spike	Units	% Rec	Limits		Evaluation	Notes
CBDVA	1	0.0340	0.033	%	102	80.0	- 120	Acceptable	
CBDV	1	0.0373	0.033	%	112	80.0	- 120	Acceptable	
CBE	1	0.0320	0.033	%	96.1	80.0	- 120	Acceptable	
CBDA	1	0.0331	0.033	%	99.4	90.0	- 110	Acceptable	
CBGA	1	0.0305	0.033	%	91.4	80.0	- 120	Acceptable	
CBG	1	0.0316	0.033	%	94.7	80.0	- 120	Acceptable	
CBD	1	0.0340	0.033	%	102	90.0	- 110	Acceptable	
THCV	1	0.0327	0.033	%	98.0	80.0	- 120	Acceptable	
d8THCV	1	0.0354	0.033	%	106	80.0	- 120	Acceptable	
THCVA	1	0.0313	0.033	%	93.8	80.0	- 120	Acceptable	
CBN	1	0.0352	0.033	%	106	90.0	- 110	Acceptable	
exo-THC	1	0.0327	0.033	%	98.1	80.0	- 120	Acceptable	
d9THC	1	0.0333	0.033	%	99.9	90.0	- 110	Acceptable	
d8THC	1	0.0333	0.033	%	99.8	80.0	- 120	Acceptable	
CBL	1	0.0318	0.033	%	95.3	80.0	- 120	Acceptable	
CBC	1	0.0368	0.033	%	110	80.0	- 120	Acceptable	
THCA	1	0.0352	0.033	%	106	90.0	- 110	Acceptable	
CBCA	1	0.0305	0.033	%	91.6	80.0	- 120	Acceptable	
CBLA	1	0.0386	0.033	%	116	80.0	- 120	Acceptable	
CBT	1	0.0300	0.033	%	90.1	80.0	- 120	Acceptable	

Method Blank

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

Abbreviations

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

Units of Measure:

% - Percent



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



Report Number: 22-006728/D002.R000
Report Date: 06/15/2022
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Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2205067						
Sample Duplicate		Sample ID: 22-006728-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBE	0.0038	0.0039	0.003	%	0.892	< 20	Acceptable	
CBDA	0.0085	0.0086	0.003	%	0.732	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBG	0.0056	0.0056	0.003	%	0.479	< 20	Acceptable	
CBD	0.712	0.717	0.003	%	0.639	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
d9THC	0.0302	0.0310	0.003	%	2.46	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBC	0.0280	0.0284	0.003	%	1.25	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
BCA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.003	%	NA	< 20	Acceptable	
CBT	0.0123	0.0126	0.003	%	2.30	< 20	Acceptable	

Abbreviations

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

Units of Measure:



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



Report Number: 22-006728/D002.R000
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Received: 06/09/22 10:47

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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662		Units: mg/Kg			Batch ID: 2205104			
Method Blank		Laboratory Control Sample						
Analyte	Blank Result	Blank Limits	Notes	LCS Result	LCS Spike	LCS % Rec	Limits	Notes
Abamectin	0.000	< 0.250		1.075	1.000	107.5	50.0	150
Acephate	0.000	< 0.250		1.003	1.000	100.3	60.0	120
Acequinocyl	0.000	< 1.000		4.719	4.000	118.0	40.0	160
Acetamiprid	0.000	< 0.100		0.408	0.400	102.0	60.0	120
Aldicarb	0.000	< 0.200		0.799	0.800	99.9	60.0	120
Azoxystrobin	0.000	< 0.100		0.397	0.400	99.2	60.0	120
Bifenazate	0.000	< 0.100		0.401	0.400	100.3	60.0	120
Bifenthrin	0.000	< 0.100		0.430	0.400	107.4	50.0	150
Boscalid	0.000	< 0.200		0.838	0.800	104.7	60.0	120
Carbaryl	0.000	< 0.100		0.402	0.400	100.4	60.0	120
Carbofuran	0.000	< 0.100		0.402	0.400	100.6	60.0	120
Chlorantraniliprole	0.000	< 0.100		0.401	0.400	100.3	60.0	120
Chlorfenapyr	0.000	< 0.500		2.115	2.000	105.7	60.0	120
Chlorpyrifos	0.000	< 0.100		0.397	0.400	99.3	60.0	120
Clofentazine	0.000	< 0.100		0.416	0.400	103.9	60.0	120
Cyfluthrin	0.000	< 0.500		2.116	2.000	105.8	50.0	150
Cypermethrin	0.000	< 0.500		2.074	2.000	103.7	50.0	150
Daminozide	0.000	< 0.500		1.937	2.000	96.9	60.0	120
Diazinon	0.000	< 0.100		0.408	0.400	101.9	60.0	120
Dichlorvos	0.000	< 0.500		1.938	2.000	96.9	60.0	120
Dimethoate	0.000	< 0.100		0.382	0.400	95.5	60.0	120
Ethoprophos	0.000	< 0.100		0.400	0.400	100.1	60.0	120
Etofenprox	0.000	< 0.200		0.848	0.800	106.0	50.0	150
Etoxazole	0.000	< 0.100		0.423	0.400	105.8	60.0	120
Fenoxycarb	0.000	< 0.100		0.410	0.400	102.5	60.0	120
Fenpyroximate	0.000	< 0.200		0.842	0.800	105.3	60.0	120
Fipronil	0.000	< 0.200		0.835	0.800	104.3	60.0	120
Fonicamid	0.000	< 0.250		1.000	1.000	100.0	60.0	120
Fludioxonil	0.000	< 0.200		0.822	0.800	102.7	50.0	150
Hexythiazox	0.000	< 0.250		1.057	1.000	105.7	60.0	120
Imazalil	0.000	< 0.100		0.407	0.400	101.9	60.0	120
Imidacloprid	0.000	< 0.200		0.813	0.800	101.6	60.0	120
Kresoxim-methyl	0.000	< 0.200		0.814	0.800	101.7	60.0	120
Malathion	0.000	< 0.100		0.409	0.400	102.4	60.0	120
Metlaxyl	0.000	< 0.100		0.407	0.400	101.7	60.0	120
Methiocarb	0.000	< 0.100		0.404	0.400	101.0	60.0	120
Methomyl	0.000	< 0.200		0.840	0.800	105.0	60.0	120
MGK-264	0.000	< 0.100		0.405	0.400	101.1	50.0	150
Myclobutanil	0.000	< 0.100		0.416	0.400	103.9	60.0	120
Naled	0.000	< 0.250		1.023	1.000	102.3	50.0	150
Oxamyl	0.000	< 0.500		2.051	2.000	102.5	60.0	120
Pacllobutrazole	0.000	< 0.200		0.829	0.800	103.7	60.0	120
Parathion-Methyl	0.000	< 0.200		0.811	0.800	101.4	50.0	150
Permethrin	0.000	< 0.100		0.423	0.400	105.8	50.0	150
Phosmet	0.000	< 0.100		0.410	0.400	102.4	50.0	150
Piperonyl butoxide	0.000	< 0.500		2.076	2.000	103.8	60.0	120
Prallethrin	0.000	< 0.100		0.411	0.400	102.7	60.0	120
Propiconazole	0.000	< 0.200		0.845	0.800	105.6	60.0	120
Propoxur	0.000	< 0.100		0.402	0.400	100.4	60.0	120
Pyrethrin (Summe)	0.004	< 0.100		0.441	0.413	106.7	60.0	120
Pyridaben	0.000	< 0.100		0.433	0.400	108.3	50.0	150
Spirosad	0.000	< 0.100		0.406	0.388	104.7	50.0	150
Spiromesifen	0.000	< 0.100		0.458	0.400	114.5	60.0	120
Spirotetramat	0.000	< 0.100		0.419	0.400	104.8	60.0	120
Spiroxamine	0.000	< 0.200		0.808	0.800	101.0	60.0	120
Tebuconazole	0.000	< 0.200		0.824	0.800	103.1	60.0	120
Thiacloprid	0.000	< 0.100		0.401	0.400	100.3	60.0	120
Thiamethoxam	0.000	< 0.100		0.348	0.400	87.0	60.0	120
Trifloxystrobin	0.000	< 0.100		0.409	0.400	102.3	60.0	120



12423 NE Whitaker Way
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503-254-1794



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Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662										
Units: mg/Kg										
Batch ID: 2205104										
Matrix Spike/Matrix Spike Duplicate Recoveries										
Sample ID: 22-006705-0001										
Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Abamectin	0.000	1.104	0.975	1.000	12.5%	< 30	110.4%	97.5%	50 - 150	
Acephate	0.000	0.544	0.531	1.000	2.4%	< 30	54.4%	53.1%	50 - 150	
Acequinocyl	0.000	3.864	3.681	4.000	4.8%	< 30	96.6%	92.0%	50 - 150	
Acetamiprid	0.000	0.314	0.313	0.400	0.2%	< 30	78.4%	78.2%	50 - 150	
Aldicarb	0.000	0.655	0.625	0.800	4.8%	< 30	81.9%	78.1%	50 - 150	
Azoxystrobin	0.015	0.212	0.210	0.400	1.3%	< 30	49.4%	48.7%	50 - 150	Q
Bifenazate	0.010	0.344	0.321	0.400	7.3%	< 30	83.5%	77.6%	50 - 150	
Bifenthrin	0.007	0.111	0.115	0.400	3.8%	< 30	25.9%	26.9%	50 - 150	Q
Boscalid	0.000	0.498	0.470	0.800	5.8%	< 30	62.3%	58.8%	50 - 150	
Carbaryl	0.000	0.257	0.256	0.400	0.4%	< 30	64.3%	64.1%	50 - 150	
Carbofuran	0.000	0.261	0.244	0.400	6.9%	< 30	65.4%	61.0%	50 - 150	
Chlorantraniliprole	0.000	0.352	0.358	0.400	1.5%	< 30	88.1%	89.4%	50 - 150	
Chlorfenapyr	0.000	0.446	0.485	2.000	8.3%	< 30	22.3%	24.2%	50 - 150	Q
Chlorpyrifos	0.000	0.220	0.215	0.400	2.5%	< 30	55.0%	53.6%	50 - 150	
Clofentezine	0.000	0.243	0.239	0.400	1.3%	< 30	60.7%	59.8%	50 - 150	
Cyfluthrin	0.000	0.597	0.641	2.000	7.1%	< 30	29.8%	32.0%	30 - 150	Q
Cypermethrin	0.000	0.509	0.486	2.000	4.8%	< 30	25.5%	24.3%	50 - 150	Q
Daminozide	0.000	0.803	0.789	2.000	1.7%	< 30	40.1%	39.5%	30 - 150	
Diazinon	0.000	0.293	0.297	0.400	1.6%	< 30	73.2%	74.4%	50 - 150	
Dichlorvos	0.000	1.583	1.508	2.000	4.9%	< 30	79.2%	75.4%	50 - 150	
Dimethoate	0.000	0.359	0.341	0.400	5.3%	< 30	89.8%	85.2%	50 - 150	
Ethoprophos	0.000	0.255	0.245	0.400	4.3%	< 30	63.8%	61.1%	50 - 150	
Etofenprox	0.000	0.204	0.208	0.800	2.1%	< 30	25.5%	26.1%	50 - 150	Q
Etoxazole	0.000	0.155	0.157	0.400	1.5%	< 30	38.7%	39.3%	50 - 150	Q
Fenoxycarb	0.000	0.253	0.237	0.400	6.8%	< 30	63.3%	59.2%	50 - 150	
Fenpyroximate	0.000	0.236	0.220	0.800	7.1%	< 30	29.5%	27.5%	50 - 150	Q
Fipronil	0.000	0.537	0.537	0.800	0.1%	< 30	67.1%	67.2%	50 - 150	
Fonicamid	0.000	1.032	0.973	1.000	6.0%	< 30	103.2%	97.3%	50 - 150	
Fludioxonil	0.000	0.697	0.739	0.800	6.0%	< 30	87.1%	92.4%	50 - 150	
Hexythiazox	0.000	0.295	0.288	1.000	2.6%	< 30	29.5%	28.8%	50 - 150	Q
Imazalil	0.000	0.297	0.286	0.400	3.7%	< 30	74.2%	71.4%	50 - 150	
Imidacloprid	0.000	0.872	0.849	0.800	2.6%	< 30	108.9%	106.2%	50 - 150	
Kresoxim-methyl	0.000	0.448	0.434	0.800	3.3%	< 30	56.0%	54.2%	50 - 150	
Malathion	0.000	0.221	0.207	0.400	6.6%	< 30	55.3%	51.8%	50 - 150	
Metaxalyl	0.000	0.283	0.288	0.400	1.8%	< 30	70.7%	72.0%	50 - 150	
Methiocarb	0.000	0.282	0.280	0.400	0.6%	< 30	70.4%	70.0%	50 - 150	
Methomyl	0.000	0.817	0.772	0.800	5.7%	< 30	102.1%	96.5%	50 - 150	
MGK-264	0.000	0.224	0.233	0.400	3.8%	< 30	56.1%	58.3%	50 - 150	
Myclobutanil	0.000	0.286	0.267	0.400	7.1%	< 30	71.6%	66.6%	50 - 150	
Naled	0.000	0.655	0.614	1.000	6.5%	< 30	65.5%	61.4%	50 - 150	
Oxamyl	0.000	2.329	2.240	2.000	3.9%	< 30	116.5%	112.0%	50 - 150	
Pacllobutrazole	0.000	0.557	0.533	0.800	4.3%	< 30	69.6%	66.7%	50 - 150	
Parathion-Methyl	0.000	0.588	0.593	0.800	0.7%	< 30	73.5%	74.1%	30 - 150	
Permethrin	0.000	0.121	0.123	0.400	2.4%	< 30	30.2%	30.9%	50 - 150	Q
Phosmet	0.000	0.249	0.230	0.400	8.1%	< 30	62.3%	57.4%	50 - 150	
Piperonyl butoxide	0.000	1.521	1.407	2.000	7.8%	< 30	76.0%	70.3%	50 - 150	
Prallethrin	0.000	0.373	0.356	0.400	4.8%	< 30	93.4%	89.0%	50 - 150	
Propiconazole	0.000	0.279	0.268	0.800	3.9%	< 30	34.8%	33.5%	50 - 150	Q
Propoxur	0.000	0.292	0.278	0.400	4.9%	< 30	73.0%	69.5%	50 - 150	
Pyrethrin (Summe)	0.002	0.347	0.338	0.413	2.8%	< 30	83.6%	81.3%	50 - 150	
Pyridaben	0.000	0.141	0.141	0.400	0.2%	< 30	35.3%	35.3%	50 - 150	Q
Spinosad	0.000	0.198	0.196	0.388	0.9%	< 30	51.0%	50.5%	50 - 150	
Spiromesifen	0.000	0.175	0.185	0.400	5.3%	< 30	43.8%	46.2%	50 - 150	Q
Spirotetramat	0.000	0.362	0.340	0.400	6.2%	< 30	90.5%	85.0%	50 - 150	
Spiroxamine	0.000	0.680	0.656	0.800	3.6%	< 30	85.0%	82.0%	50 - 150	
Tebuconazole	0.000	0.557	0.534	0.800	4.3%	< 30	69.7%	66.7%	50 - 150	
Thiacloprid	0.000	0.309	0.306	0.400	1.1%	< 30	77.3%	76.5%	50 - 150	
Thiamethoxam	0.000	0.472	0.417	0.400	12.2%	< 30	118.0%	104.4%	50 - 150	
Trifloxystrobin	0.000	0.126	0.122	0.400	3.2%	< 30	31.5%	30.5%	50 - 150	Q



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Laboratory Quality Control Results

Residual Solvents				Batch ID: 2205119					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	Spike	Units	% Rec	Limits	Notes
Propane	ND	< 200		531	572	µg/g	92.8	60 - 120	
Isobutane	ND	< 200		681	731	µg/g	93.2	60 - 120	
Butane	ND	< 200		677	731	µg/g	92.6	60 - 120	
2,2-Dimethylpropane	ND	< 200		911	936	µg/g	97.3	60 - 120	
Methanol	ND	< 200		1440	1650	µg/g	87.3	60 - 120	
Ethylene Oxide	ND	< 30		51	56.2	µg/g	90.7	60 - 120	
2-Methylbutane	ND	< 200		1450	1620	µg/g	89.5	60 - 120	
Pentane	ND	< 200		1460	1610	µg/g	90.7	60 - 120	
Ethanol	ND	< 200		1440	1620	µg/g	88.9	70 - 130	
Ethyl Ether	ND	< 200		1490	1600	µg/g	93.1	60 - 120	
2,2-Dimethylbutane	ND	< 30		153	167	µg/g	91.6	60 - 120	
Acetone	ND	< 200		1490	1620	µg/g	92.0	60 - 120	
2-Propanol	ND	< 200		1460	1610	µg/g	90.7	60 - 120	
Acetonitrile	ND	< 100		565	635	µg/g	89.0	60 - 120	
2,3-Dimethylbutane	ND	< 30		138	177	µg/g	78.0	60 - 120	
Dichloromethane	ND	< 60		478	498	µg/g	96.0	60 - 120	
2-Methylpentane	ND	< 30		141	166	µg/g	84.9	60 - 120	
3-Methylpentane	ND	< 30		160	175	µg/g	91.4	60 - 120	
Hexane	ND	< 30		160	174	µg/g	92.0	60 - 120	
Ethyl acetate	ND	< 200		1450	1610	µg/g	90.1	60 - 120	
2-Butanol	ND	< 200		1430	1620	µg/g	88.3	60 - 120	
Tetrahydrofuran	ND	< 100		450	507	µg/g	88.8	60 - 120	
Cyclohexane	ND	< 200		1480	1610	µg/g	91.9	60 - 120	
Benzene	ND	< 1		4.61	5.22	µg/g	88.3	60 - 120	
Isopropyl Acetate	ND	< 200		1480	1610	µg/g	91.9	60 - 120	
Heptane	ND	< 200		1470	1610	µg/g	91.3	60 - 120	
1,4-Dioxane	ND	< 100		458	508	µg/g	90.2	60 - 120	
2-Ethoxyethanol	ND	< 30		170	165	µg/g	103.0	60 - 120	
Ethylene Glycol	ND	< 200		395	492	µg/g	80.3	60 - 120	
Toluene	ND	< 100		458	497	µg/g	92.2	60 - 120	
Ethylbenzene	ND	< 200		898	980	µg/g	91.6	60 - 120	
m,p-Xylene	ND	< 200		898	985	µg/g	91.2	60 - 120	
o-Xylene	ND	< 200		884	965	µg/g	91.6	60 - 120	
Cumene	ND	< 30		157	168	µg/g	93.5	60 - 120	



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QC - Sample Duplicate		Sample ID: 22-006725-0001						
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	
Acetonitrile	ND	ND	100	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	
3-Methylpentane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Hexane	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	200	µg/g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	200	µg/g	0.0	< 20	Acceptable	
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	
1,4-Dioxane	ND	ND	100	µg/g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	30	µg/g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	200	µg/g	0.0	< 20	Acceptable	
Toluene	ND	ND	100	µg/g	0.0	< 20	Acceptable	
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	

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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Report Number: 22-006728/D002.R000
Report Date: 06/15/2022
ORELAP#: OR100028
Purchase Order:
Received: 06/09/22 10:47





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.