



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794
Purchase Order:
Report 22-003276/D008.R000
Number: 03/28/2022
Report Date: OR100028

Received: 03/22/22 11:10

Customer: GVB Oregon
Product identity: CBGA TST215
Client/Metric ID: .
Laboratory ID: 22-003276-0001

Summary

Potency:

Analyte Result (%) CBG-A 92.8 † CBG 1.30 †	CBG-A CBG	
		CBD-Total <LOQ
		THC-Total <LOQ
		(Reported in percent of total sample)

Residual Solvents:

All analytes passing and less than LOQ.

Pesticides:

All analytes passing and less than LOQ.

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Testing in accordance with: OAR 333-007-0430



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794
Purchase Order:
Report 22-003276/D008.R000
Number: 03/28/2022
Report Date: OR100028

Received: 03/22/22 11:10

Customer: GVB Oregon

United States of America (USA)

Product identity: CBGA TST215

Client/Metric ID: .

Sample Date:

Laboratory ID: 22-003276-0001

Evidence of Cooling: No

Temp: 21.9 °C

Relinquished by: Client

Sample Results

Potency Method J AOAC 2015 V98-6 (mod) Units % Batch: 2202560 Analyze: 3/24/22 10:12:00 AM

Analyte As Received weight
Dry LOQ Notes

CBC < LOQ 0.0876
CBC-A[†] < LOQ 0.0876
CBC-Total[†] < LOQ 0.164
CBD < LOQ 0.0876
CBD-A < LOQ 0.0876
CBD-Total < LOQ 0.164
CBDV[†] < LOQ 0.0876
CBDV-A[†] < LOQ 0.0876
CBDV-Total[†] < LOQ 0.163
CBE[†] < LOQ 0.0876
CBG 1.30 [†] 0.0876
CBG-A 92.8 [†] 0.876
CBG-Total 82.8 0.847
CBL[†] < LOQ 0.0876
CBL-A[†] < LOQ 0.0876
CBL-Total[†] < LOQ 0.164
CBN < LOQ 0.0876
CBT[†] < LOQ 0.0876
Δ8-THC[†] < LOQ 0.0876
Δ8-THCV < LOQ 0.0876
Δ9-THC < LOQ 0.0876
THC-A < LOQ 0.0876
THC-Total < LOQ 0.164
THCV[†] < LOQ 0.0876
THCV-A[†] < LOQ 0.0876
THCV-Total[†] < LOQ 0.163
Total Cannabinoids 94.1 [†]

CBG-A
CBG

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Testing in accordance with: OAR 333-007-0410 OAR 333-007-0430



503-254-1794
Report
Number:

Received: 03/22/22 11:10

Solvents Method Residual Solvents by GC/MS Units µg/g Batch 2202627 Analyze 03/25/22 03:25 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 < LOQ

200

(Isopentane)

2-Methylpentane < LOQ 30.0 2-Propanol (IPA) < LOQ 5000 200 pass

2,2-Dimethylbutane < LOQ 30.0 2,2-Dimethylpropane < LOQ

200

(neo-pentane)

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 < LOQ 70.0 pass

30.0 m,p-Xylene < LOQ 200

(Cumene)

Methanol < LOQ 3000 200 pass Methylene chloride < LOQ 600 60.0 pass

Methylpropane < LOQ (Isobutane) 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 < LOQ 2170 pass

600

benzene

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Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



97230
503-254-1794
Report

Number: Report Date: Purchase Order: 03/28/2022
ORELAP#: 22-003276/D008.R000 OR100028

Received: 03/22/22 11:10

Pesticides Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2202629 Analyze 03/25/22 04:13 PM Analyte Result
Limits LOQ Status Notes Analyte Result Limits LOQ Status Notes Abamectin < LOQ 0.50 0.250 pass Acephate < LOQ 0.40 0.250 pass
Acequinocyl < LOQ 2.0 1.00 pass 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 Flonicamid < LOQ 1.0 0.400 pass Fludioxonil < LOQ 0.40 0.200 pass Hexythiazox < LOQ 1.0 0.400 pass Imazalil
< LOQ 0.20 0.100 pass Imidacloprid < LOQ 0.40 0.200 pass Kresoxim-methyl < LOQ 0.40 0.200 pass Malathion < LOQ 0.20 0.100 pass
Metalaxyl < LOQ 0.20 0.100 pass Methiocarb < LOQ 0.20 0.100 pass Methomyl < LOQ 0.40 0.200 pass MGK-264 < LOQ 0.20 0.100 pass
Myclobutanil < LOQ 0.20 0.100 pass Naled < LOQ 0.50 0.250 pass Oxamyl < LOQ 1.0 0.500 pass Paclobutrazole < LOQ 0.40 0.200 pass
Parathion-Methyl < LOQ 0.20 0.200 pass Permethrin < LOQ 0.20 0.100 pass Phosmet < LOQ 0.20 0.100 pass Piperonyl butoxide < LOQ 2.0 1.00
pass Prallethrin < LOQ 0.20 0.200 pass Propiconazole < LOQ 0.40 0.200 pass Propoxur < LOQ 0.20 0.100 pass Pyrethrin I (total) < LOQ 1.0
0.500 pass Pyridaben < LOQ 0.20 0.100 pass Spinosad < LOQ 0.20 0.100 pass Spiromesifen < LOQ 0.20 0.100 pass Spirotetramat < LOQ 0.20
0.100 pass Spiroxamine < LOQ 0.40 0.200 pass Tebuconazole < LOQ 0.40 0.200 pass Thiachloprid < LOQ 0.20 0.100 pass Thiamethoxam < LOQ
0.20 0.100 pass Trifloxystrobin < LOQ 0.20 0.100 pass

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Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



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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

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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12423 NE Whitaker Way

Portland, OR **Report Date: ORELAP#:**

97230

503-254-1794

Report

Number:

Purchase Order:

22-003276/D008.R000

03/28/2022

OR100028

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID:

0

Laboratory Control Sample

Analyte Spike Units %Rec Evaluation Notes

Result

Limits

CBDVA	0.0977	0.1	%	97.7	80.0 - 120	Acceptabl e	
CBDV	0.117	0.1	%	117	80.0 - 120	Acceptabl e	
CBE	0.101	0.1	%	101	80.0 - 120	Acceptabl e	
CBDA	0.0960	0.1	%	96.0	80.0 - 120	Acceptabl e	
CBGA	0.0978	0.1	%	97.8	80.0 - 120	Acceptabl e	
CBG	0.0912	0.1	%	91.2	80.0 - 120	Acceptabl e	
CBD	0.0992	0.1	%	99.2	80.0 - 120	Acceptabl e	
THCV	0.0981	0.1	%	98.1	80.0 - 120	Acceptabl e	
d8THCV	0.0993	0.1	%	99.3	80.0 - 120	Acceptabl e	
THCVA	0.0988	0.1	%	98.8	80.0 - 120	Acceptabl e	
CBN	0.101	0.1	%	101	80.0 - 120	Acceptabl e	
exo-THC	0.0924	0.1	%	92.4	80.0 - 120	Acceptabl e	
d9THC	0.0982	0.1	%	98.2	80.0 - 120	Acceptabl e	
d8THC	0.0942	0.1	%	94.2	80.0 - 120	Acceptabl e	
CBL	0.0967	0.1	%	96.7	80.0 - 120	Acceptabl e	
CBC	0.106	0.1	%	106	80.0 - 120	Acceptabl e	
THCA	0.0944	0.1	%	94.4	80.0 - 120	Acceptabl e	
CBCA	0.0986	0.1	%	98.6	80.0 - 120	Acceptabl e	
CBLA	0.0928	0.1	%	92.8	80.0 - 120	Acceptabl e	
CBT	0.0948	0.1	%	94.8	80.0 - 120	Acceptabl e	

Method Blank

Analyte LOQ Evaluation Notes

Result

Units

Limits

CBDVA	< LOQ	0.1	%	< 0.1	Acc	CBDV	< LOQ	0.1	%	< 0.1	Acceptabl e	
						CBE	< LOQ	0.1	%	< 0.1	Acceptabl	

CBDA	< LOQ	0.1	%	< 0.1	Acc
CBGA	< LOQ	0.1	%	< 0.1	Acc
CBG	< LOQ	0.1	%	< 0.1	Acc
CBD	< LOQ	0.1	%	< 0.1	Acc
THCV	< LOQ	0.1	%	< 0.1	Acc
d8THCV	< LOQ	0.1	%	< 0.1	Acc
THCVA	< LOQ	0.1	%	< 0.1	Acc
CBN	< LOQ	0.1	%	< 0.1	Acc
exo-THC	< LOQ	0.1	%	< 0.1	Acc
d9THC	< LOQ	0.1	%	< 0.1	Acc
d8THC	< LOQ	0.1	%	< 0.1	Acc
CBL	< LOQ	0.1	%	< 0.1	Acc
CBC	< LOQ	0.1	%	< 0.1	Acc
THCA	< LOQ	0.1	%	< 0.1	Acc
CBCA	< LOQ	0.1	%	< 0.1	Acc
CBLA	< LOQ	0.1	%	< 0.1	Acc
CBT	< LOQ	0.1	%	< 0.1	Acc

Abbreviations

ND - None Detected at or above MRL

RPD -Relative Percent Difference

LOQ -Limit of Quantitation

Units of Measure:

% - Percent



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

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: Sample 0

Duplicate Sample ID: 22-003200-0004

Analyte Result Org. Result LOQ Units RPD Evaluation Notes
 Limits

CBDVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBDV	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBE	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBDA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBGA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBG	1.07	1.07	0.1	%	0.0659	< 20	Acc
CBD	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
THCV	0.129	0.132	0.1	%	2.19	< 20	Acc
d8THCV	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
THCVA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBN	0.157	0.158	0.1	%	0.261	< 20	Acc
exo-THC	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
d9THC	29.7	29.7	0.1	%	0.288	< 20	Acc
d8THC	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBL	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBC	0.465	0.462	0.1	%	0.639	< 20	Acc
THCA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBCA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBLA	< LOQ	< LOQ	0.1	%	NA	< 20	Acc
CBT	< LOQ	< LOQ	0.1	%	NA	< 20	Acc

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

Units of Measure:
 Acc
 % - Percent

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503-254-1794 **Purchase Order:**
Report 22-003276/D008.R000
Number: 03/28/2022
Report Date: OR100028

ORELAP#:

2202627

Laboratory Quality Control Results

Method Blank

Laboratory Control Sample

Analyte LOQ Notes Result Spike Units % Rec Notes
Result

Limits

Propane	ND	<	2 0 0		574.6 415	572	µ g / g	100.5	6 0	Hexane	ND	<	3 0 0		191.8 64	177	µ g / g	108.4	6 0	-	1 2 0	
Isobutane	ND	<	2 0 0		799.3 51	731	µ g / g	109.4	6 0	1-Propanol	ND	<	5 0 0		1598. 174	1610	µ g / g	99.3	7 0	-	1 3 0	
Butane	ND	<	2 0 0		807.4 205	731	µ g / g	110.5	6 0	Methylethylketone	ND	<	5 0 0		1571. 3135	1600	µ g / g	98.2	7 0	-	1 3 0	
2,2-Dimethylpropane	ND	<	2 0 0		868.5 115	936	µ g / g	92.8	6 0	Ethyl acetate	ND	<	2 0 0		1795. 5965	1630	µ g / g	110.2	6 0	-	1 2 0	
Methanol	ND	<	2 0 0		1715. 0165	1620	µ g / g	105.9	6 0	2-Butanol	ND	<	2 0 0		1714. 9585	1620	µ g / g	105.9	6 0	-	1 2 0	
Ethylene Oxide	ND	<	3 0		58.16 75	56.2	µ g / g	103.5	6 0	Tetrahydrofuran	ND	<	1 0 0		529.6 4	500	µ g / g	105.9	6 0	-	1 2 0	
2-Methylbutane	ND	<	2 0 0		1799. 3205	1620	µ g / g	111.1	6 0	Cyclohexane	ND	<	2 0 0		1627. 732	1620	µ g / g	100.5	6 0	-	1 2 0	
Pentane	ND	<	2 0 0		1780. 9155	1610	µ g / g	110.6	6 0	2-methyl-1-propanol	ND	<	5 0 0		1798. 4645	1620	µ g / g	111.0	7 0	-	1 3 0	
Ethanol	ND	<	2 0 0		1922. 63	1630	µ g / g	118.0	7 0	Benzene	ND	<	1		5.486 5	5.32	µ g / g	103.1	6 0	-	1 2 0	
Ethyl Ether	ND	<	2 0 0		1706. 662	1620	µ g / g	105.3	6 0	Isopropyl Acetate	ND	<	2 0 0		1825. 9255	1620	µ g / g	112.7	6 0	-	1 2 0	
2,2-Dimethylbutane	ND	<	3 0		148.4 905	174	µ g / g	85.3	6 0	Heptane	ND	<	2 0 0		1887. 536	1770	µ g / g	106.6	6 0	-	1 2 0	
Acetone	ND	<	2 0 0		1573. 2125	1650	µ g / g	95.3	6 0	1-Butanol	ND	<	5 0 0		1807. 015	1600	µ g / g	112.9	7 0	-	1 3 0	
2-Propanol	ND	<	2 0 0		1715. 4935	1610	µ g / g	106.6	6 0	Propyl Acetate	ND	<	5 0 0		1605. 196	1600	µ g / g	100.3	7 0	-	1 3 0	
Ethyl Formate	ND	<	5 0 0		1678. 0105	1600	µ g / g	104.9	7 0	1,4-Dioxane	ND	<	1 0 0		507.5 48	504	µ g / g	100.7	6 0	-	1 2 0	
Acetonitrile	ND	<	1 0 0		555.9 3	498	µ g / g	111.6	6 0	2-Ethoxyethanol	ND	<	3 0		213.3 9	181	µ g / g	117.9	6 0	-	1 2 0	
Methyl Acetate	ND	<	5 0 0		1603. 435	1610	µ g / g	99.6	7 0	Methylisobutylketone	ND	<	5 0 0		1743. 272	1610	µ g / g	108.3	7 0	-	1 3 0	
2,3-Dimethylbutane	ND	<	3 0		179.2 08	176	µ g / g	101.8	6 0	3-Methyl-1-butanol	ND	<	5 0 0		1744. 097	1610	µ g / g	108.3	7 0	-	1 3 0	
Dichloromethane	ND	<	6 0		523.6 605	510	µ g / g	102.7	6 0	Ethylene Glycol	ND	<	2 0 0		555.7 01	494	µ g / g	112.5	6 0	-	1 2 0	
2-Methylpentane	ND	<	3 0		174.6 495	176	µ g / g	99.2	6 0	Toluene	ND	<	2 0 0		509.5 77	491	µ g / g	103.8	6 0	-	1 2 0	
MTBE	ND	<	5 0 0		1748. 179	1600	µ g / g	109.3	7 0	Isobutyl Acetate	ND	<	5 0 0		1554. 662	1600	µ g / g	97.2	7 0	-	1 3 0	
3-Methylpentane	ND	<	3 0		200.0 59	175	µ g / g	114.3	6 0	1-Pentanol	ND	<	5 0 0		1625. 4595	1610	µ g / g	101.0	7 0	-	1 3 0	

Butyl Acetate	ND	<	5 0 0		1833. 53	1610	μ g / g	113.9	7 0
Ethylbenzene	ND	<	2 0 0		947.3 02	973	μ g / g	97.4	6 0
m,p-Xylene	ND	<	2 0 0		852.0 155	996	μ g / g	85.5	6 0
o-Xylene	ND	<	2 0 0		998.5 725	973	μ g / g	102.6	6 0
Cumene	ND	<	3 0		168.1 04	170	μ g / g	98.9	6 0
Anisole	ND	<	5 0 0		1996. 0795	1610	μ g / g	124.0	7 0
DMSO	ND	<	5 0 0		1958. 578	1630	μ g / g	120.2	7 0
1,2-dimethoxyethane	ND	<	5 0		166.0 81	164	μ g / g	101.3	7 0
Triethylamine	ND	<	5 0 0		1694. 2395	1600	μ g / g	105.9	7 0
N,N-dimethylformamide	ND	<	1 5 0		557.0 24	497	μ g / g	112.1	7 0
N,N-dimethylacetamide	ND	<	1 5 0		580.1 3	498	μ g / g	116.5	7 0
Pyridine	ND	<	5 0		190.1 91	180	μ g / g	105.7	7 0
1,2-Dichloroethane	ND	<	1		1.159 5	1	μ g / g	116.0	7 0
Chloroform	ND	<	1		1.100 5	1	μ g / g	110.1	7 0
Trichloroethylene	ND	<	1		1.075	1	μ g / g	107.5	7 0

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12423 NE Whitaker Way **ORELAP#:**
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Revision: Document ID:
Legacy ID: Effective:

22-003201-0001

Analyte Result Org. Result LOQ Units RPD Limits Accept/Fail

Notes

Propane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Isobutane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Butane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
2,2-Dimethylpropane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Methanol	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Ethylene Oxide	ND	ND	3 0	μ g / g	0.0	< 20	Acceptable	
2-Methylbutane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Pentane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Ethanol	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Ethyl Ether	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
2,2-Dimethylbutane	ND	ND	3 0	μ g / g	0.0	< 20	Acceptable	
Acetone	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
2-Propanol	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Ethyl Formate	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	1 0 0	μ g / g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
2,3-Dimethylbutane	ND	ND	3 0	μ g / g	0.0	< 20	Acceptable	
Dichloromethane	ND	ND	6 0	μ g / g	0.0	< 20	Acceptable	
2-Methylpentane	ND	ND	3 0	μ g / g	0.0	< 20	Acceptable	
MTBE	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
3-Methylpentane	ND	ND	3 0	μ g / g	0.0	< 20	Acceptable	
Hexane	ND	ND	3 0	μ g	0.0	< 20	Acceptable	

				/ g				
1-Propanol	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Ethyl acetate	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
2-Butanol	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Tetrahydrofuran	ND	ND	1 0 0	μ g / g	0.0	< 20	Acceptable	
Cyclohexane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
2-methyl-1-propanol	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Benzene	ND	ND	1	μ g / g	0.0	< 20	Acceptable	
Isopropyl Acetate	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Heptane	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
1-Butanol	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
1,4-Dioxane	ND	ND	1 0 0	μ g / g	0.0	< 20	Acceptable	
2-Ethoxyethanol	ND	ND	3 0	μ g / g	0.0	< 20	Acceptable	
Methylisobutylketone	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Ethylene Glycol	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Toluene	ND	ND	2 0 0	μ g / g	0.0	< 20	Acceptable	
Isobutyl Acetate	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	5 0 0	μ g / g	0.0	< 20	Acceptable	

Ethylbenzene	ND	ND	200	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
m,p-Xylene	ND	ND	200	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
o-Xylene	ND	ND	200	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
Cumene	ND	ND	30	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
Anisole	ND	ND	500	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
DMSO	ND	ND	500	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	$\mu\text{g} / \text{g}$	0.0	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL

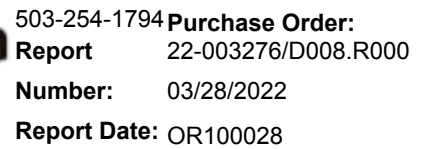
RPD - Relative Percent Difference

LOQ - Limit of Quantitation

Units of Measure:

$\mu\text{g/g}$ - Microgram per gram or ppm

Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



Received: 03/22/22 11:10

Laboratory Pesticide Quality Control Results

Analyte	Blank Result	Notes	LCS Spike	LCS % Rec	Notes
					Blank Limits
					LCS Result Limits
Abamectin	0.000	< 0.250	1.000	300.1	80.7 - 119 Q1 3.001

Acephate	0.000	< 0.250								.8		
			Clofentezine	0.000	< 0.100		0.400	0.385			96.4	
Acequinocyl	0.000	< 1.000										
			Cyfluthrin	0.000	< 0.500		2.000	1.850			92.5	
Acetamiprid	0.000	< 0.100										
			Cypermethrin	0.000	< 0.500		2.000	1.926			96.3	
Aldicarb	0.000	< 0.200										
			Daminozide	0.000	< 0.500		2.000	0.457			22.8	
Azoxystrobin	0.000	< 0.100										
			Diazinon	0.000	< 0.100		0.400	0.380			95.0	
Bifenazate	0.000	< 0.100										
			Dichlorvos	0.000	< 0.500		2.000	1.774			88.7	
Bifenthrin	0.000	< 0.100										
			Dimethoate	0.000	< 0.100		0.400	0.400			100.1	
Boscalid	0.000	< 0.200										
			Ethoprophos	0.000	< 0.100		0.400	0.408			102.1	
Carbaryl	0.000	< 0.100										
			Etofenprox	0.000	< 0.200		0.800	0.828			103.6	
Carbofuran	0.000	< 0.100										
			Etoxazole	0.000	< 0.100		0.400	0.380			95.1	
Chlorantranilprole	0.000	< 0.100										
			Fenoxycarb	0.000	< 0.100		0.400	0.398			99.6	
Chlorfenapyr	0.000	< 0.500										
			Fenpyroximate	0.000	< 0.200		0.800	0.728			91.0	
Chlorpyrifos	0.000	< 0.100										
			Fipronil	0.000	< 0.200		0.800	0.813			10	

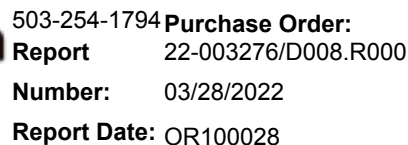
[illegible]

Trifloxystrobin 0.000 < 0.100 0.400 92.9 79.1 - 115 0.372

83.1 - 112
78.2 - 119
74.9 - 127 Q1 78.3 - 120
83.3 - 114
84.2 - 109
75.1 - 125
77.8 - 122
73.1 - 134
80.2 - 126
84.0 - 114
81.1 - 110
83.8 - 115
81.3 - 114
66.4 - 123

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Testing in accordance with: OAR 333-007-0400 OAR 333-007-0410 OAR 333-007-0430



12423 NE Whitaker Way **ORELAP#:**
Portland, OR 97230

Received: 03/22/22 11:10

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: 2202629

Matrix Spike/Matrix Spike Duplicate Recoveries Sample ID:
22-003276-0001

Analyte	Result	MS Res	MSD Res	Spike	RPD%	MS %	Rec	MSD %	Rec	Notes
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Limit

Limits

Abamectin 0.000 2.701 2.992 1.000 10.2% < 30 270.1% 299.2% 50 - 150 Q1

Acephate	0.000 0.875 0.910 1.000
Bifenthrin	0.000 0.323 0.326 0.400
Boscalid	0.000 0.829 0.839 0.800
Carbaryl	0.000 0.362 0.364 0.400
Carbofuran	0.000 0.369 0.383 0.400
Chlorantraniliprole	0.000 0.386 0.376 0.400
Chlorfenapyr	0.000 1.538 1.749 2.000

[illegible]

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.

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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 333-007-0400 OAR 333-007-0410 OAR 333-007-0430