Columbia LABORATORIES
A Tentamus Company

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

Report Number: 21-000800/D06.R00
Report Date: 01/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 01/22/21 10:32

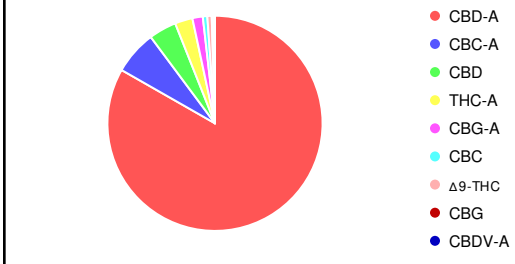
Preliminary Report

Customer: Tailored Hemp & Co
Product identity: Gusherz
Client/Metrc ID: .
Laboratory ID: 21-000800-0003 **Sample Date:** 01/20/21 15:00

Summary

Potency:

Analyte	Result (%)
CBD-A	12.7
CBC-A†	1.01
CBD	0.636
THC-A	0.406
CBG-A†	0.239
CBC	0.104
Δ9-THC	0.0996
CBG†	0.0422
CBDV-A†	0.0326



CBD-Total 11.8%

THC-Total 0.456%

(Reported in percent of total sample)

Pesticides:

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
ß-Myrcene†	0.470	31.54%	ß-Caryophyllene†	0.394	26.44%
(R)-(+)-Limonene†	0.147	9.87%	a-Bisabolol†	0.121	8.12%
Humulene†	0.109	7.32%	(-)-Guaiol†	0.0926	6.21%
Linalool†	0.0575	3.86%	a-pinene†	0.0412	2.77%
trans-ß-Ocimene†	0.0411	2.76%	(-)-ß-Pinene†	0.0208	1.40%
Total Terpenes†	**1.49**	**100.00%**			

Metals:

Analyte	Result	Units	Analyte	Result	Unit
Lead	0.192	mg/kg	Cadmium	0.0382	mg/kg

Microbiology:

Analyte	Result	Units	Analyte	Result	Units
Aerobic Plate Count	690	cfu/g	Total Coliforms	20	cfu/g
Yeast (RAPID Petrifilm)	12,000	cfu/g	Mold (RAPID Petrifilm)	1,600	cfu/g

Analysis pending.

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Testing in accordance with: OAR 333-007-0430

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Purchase Order:
Received: 01/22/21 10:32

Preliminary Report

Customer: Tailored Hemp & Co
United States

Product identity: Gusherz
Client/Metrc ID: .
Sample Date: 01/20/21 15:00
Laboratory ID: 21-000800-0003
Relinquished by: FEDEX
Temp: 17.3 °C

Sample Results

Potency **Method** J AOAC 2015 V98-6 (mod) **Batch:** 2100833 **Analyze:** 1/27/21 9:03:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	0.104		0.0293	
CBC-A†	1.01		0.0293	
CBC-Total†	0.990		0.0550	
CBD	0.636		0.0293	
CBD-A	12.7		0.293	
CBD-Total	11.8		0.286	
CBDV†	< LOQ		0.0293	
CBDV-A†	0.0326		0.0293	
CBDV-Total†	< LOQ		0.0546	
CBG†	0.0422		0.0293	
CBG-A†	0.239		0.0293	
CBG-Total	0.252		0.0546	
CBL†	< LOQ		0.0293	
CBN	< LOQ		0.0293	
Δ8-THC†	< LOQ		0.0293	
Δ9-THC	0.0996		0.0293	
THC-A	0.406		0.0293	
THC-Total	0.456		0.0550	
THCV†	< LOQ		0.0293	
THCV-A†	< LOQ		0.0293	
THCV-Total†	< LOQ		0.0546	
Total Cannabinoids†	15.3			

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Preliminary Report

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Aerobic Plate Count	690		cfu/g	10	2100767	01/29/21	AOAC 990.12 (Petrifilm)	X
E.coli	< LOQ		cfu/g	10	2100768	01/29/21	AOAC 991.14 (Petrifilm)	X
Total Coliforms	20		cfu/g	10	2100768	01/29/21	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	1,600		cfu/g	100	2100769	01/29/21	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	12,000		cfu/g	100	2100769	01/29/21	AOAC 2014.05 (RAPID)	X
A. brasilensis (Niger)	*pending*						Aspergillus in Cannabis	X
A. flavus	*pending*						Aspergillus in Cannabis	X
A. fumigatus	*pending*						Aspergillus in Cannabis	X
A. terreus	*pending*						Aspergillus in Cannabis	X

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 2100790 **Analyze** 01/27/21 01:31 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	
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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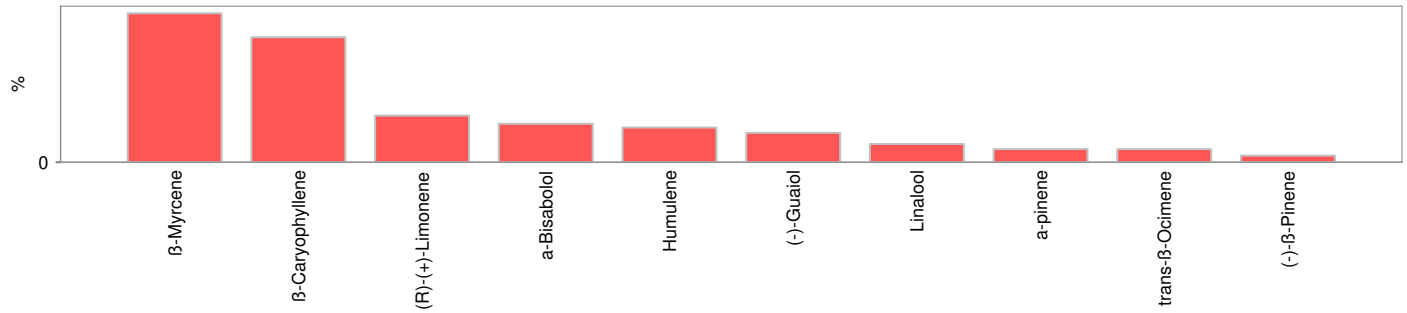
Report Date: 01/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 01/22/21 10:32

Preliminary Report

Terpenes **Method** J AOAC 2015 V98-6 **Units** % **Batch** 2100780 **Analyze** 01/27/21 10:27 AM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
ß-Myrcene†	0.470	0.020	31.54%		ß-Caryophyllene†	0.394	0.020	26.44%	
(R)-(+)-Limonene†	0.147	0.020	9.87%		a-Bisabolol†	0.121	0.020	8.12%	
Humulene†	0.109	0.020	7.32%		(-)-Guaiol†	0.0926	0.020	6.21%	
Linalool†	0.0575	0.020	3.86%		a-pinene†	0.0412	0.020	2.77%	
trans-ß-Ocimene†	0.0411	0.013	2.76%		(-)-ß-Pinene†	0.0208	0.020	1.40%	
(-)-a-Terpineol†	< LOQ	0.020	0.00%		(-)-caryophyllene oxide†	< LOQ	0.020	0.00%	
(-)-Isopulegol†	< LOQ	0.020	0.00%		(+)-Borneol†	< LOQ	0.020	0.00%	
(+)-Cedrol†	< LOQ	0.020	0.00%		(+)-fenchol†	< LOQ	0.020	0.00%	
(+)-Pulegone†	< LOQ	0.020	0.00%		(±)-Camphor†	< LOQ	0.020	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.020	0.00%		(±)-fenchone†	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol†	< LOQ	0.020	0.00%		a-cedrene†	< LOQ	0.020	0.00%	
a-phellandrene†	< LOQ	0.020	0.00%		a-Terpinene†	< LOQ	0.020	0.00%	
Camphene†	< LOQ	0.020	0.00%		cis-ß-Ocimene†	< LOQ	0.006	0.00%	
d-3-Carene†	< LOQ	0.020	0.00%		Eucalyptol†	< LOQ	0.020	0.00%	
farnesene†	< LOQ	0.020	0.00%		gamma-Terpinene†	< LOQ	0.020	0.00%	
Geraniol†	< LOQ	0.020	0.00%		Geranyl acetate†	< LOQ	0.020	0.00%	
Isoborneol†	< LOQ	0.020	0.00%		Menthol†	< LOQ	0.020	0.00%	
nerol†	< LOQ	0.020	0.00%		p-Cymene†	< LOQ	0.020	0.00%	
Sabinene†	< LOQ	0.020	0.00%		Sabinene hydrate†	< LOQ	0.020	0.00%	
Terpinolene†	< LOQ	0.020	0.00%		valencene†	< LOQ	0.020	0.00%	
Total Terpenes	**1.49**								



Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.0196	2100732	01/25/21	AOAC 2013.06 (mod.)	X
Cadmium	0.0382		mg/kg	0.0196	2100732	01/25/21	AOAC 2013.06 (mod.)	X
Lead	0.192		mg/kg	0.0196	2100732	01/25/21	AOAC 2013.06 (mod.)	X
Mercury	< LOQ		mg/kg	0.00982	2100732	01/25/21	AOAC 2013.06 (mod.)	X

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Received:	01/22/21 10:32

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

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

cfu/g = Colony forming units per gram

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

% = 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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21-000800

Columbia LABORATORIES
A Tentamus Company

Hemp / Cannabis Usable / Extract
Chain of Custody Record

Revision: 3.01 Control#: CF023 Rev 02/26/2020 Eff: 02/27/2020
ORELAP ID: OR100028

Company: Tailored Hemp & Co
Contact: Braylon Bush
Street: 714 NE 13th St Ste C
City: Ft Lauderdale State: FL Zip: 33304
☑ Email Results: Bbush@thetailoredhemp.com
Ph: (954) 9001236 ☐ Fx Results: (___)
Billing (if different):

PO Number:
Project Number:
Project Name:
Custom Reporting:
Report to State - ☐ METRC or ☐ Other:
Turnaround time: ☑ Standard ☐ Rush * ☐ Priority Rush *
*Ask for availability
Sampled by:

Lab ID	Client Sample Identification	Date	Time	Pesticides - Oregon	Potency	Metals	Terpenes	Micro Profile D	Aspergillus	Sample Type †	Weight (Units)	Comments/Metrc ID
1	LA Cheesecake	1/20/21	3:00 PM	✓	✓	✓	✓	✓	✓	V	15g	10% Discount per KO
2	Dream Queen	1/20/21	3:00 PM	✓	✓	✓	✓	✓	✓	V	15g	
3	Gusherz	1/20/21	3:00 PM	✓	✓	✓	✓	✓	✓	V	15g	
4	Purple Krush	1/20/21	3:00 PM	✓	✓	✓	✓	✓	✓	V	15g	
5	Skywalker OG	1/20/21	3:00 PM	✓	✓	✓	✓	✓	✓	V	15g	
6	Creamsicle	1/20/21	3:00 PM	✓	✓	✓	✓	✓	✓	V	15g	

Relinquished By:	Date	Time	Received By:	Date	Time
[signature]	1/20/21	3:00pm	[signature]	1/22	10:32

Lab Use Only:
☐ Shipped Via: ____ or ☐ Client drop
Evidence of cooling: ☐ Yes | ☐ No - Temp (°C): 17.3
Sample in good condition: ☐ Yes | ☐ No
☐ Cash | ☐ Check | ☐ CC | ☐ Net:
Prelog storage:

† - Sample Type Codes: Vegitation (V) ; Isolates (S) ; Extract/Concentrate (C)

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
www.columbialaboratories.com

Page 1 of 2

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Columbia LABORATORIES A Tentamus Company

Columbia Laboratories
Sample Receipt Form

Revision: 1.01 Document Control: CF015
Revised: 02/28/2020 Effective: 02/28/2020

Job Number: 21-000800 Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 1/22 Time: 1032

Received By (Initials): JB

1) Were custody seals on outside of the package/cooler? YES NO (NA)
If YES, how many and where?_____

Were signature and date correct? ---------- YES NO (NA)

2) Were custody papers included in the package/cooler? YES (NO) NA

3) Were custody papers properly filled out (ink, sign, date)? YES (NO) NA

4) Did you sign custody papers in the appropriate place? YES (NO) NA

5) How was the package/cooler delivered?

UPS (FEDEX) USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 7726 8296 8392

6) Was packing material used? YES (NO) NA

Peanuts Bubble Wrap Foam Paper Other:

7) Was sufficient ice used (if appropriate)? YES (NO) NA
What kind?

Blue Ice Ice Cooler Packs Dry Ice

8) Were all sample containers sealed in separate plastic bags? (YES) NO NA

9) Did all sample containers arrive in good condition? (YES) NO NA

10) Were all sample container labels complete? (YES) NO NA

11) Did all sample container labels and tags agree with the coc? YES NO (NA)

12) Were correct sample containers used for the tests indicated? YES NO (NA)

13) Were VOA vials checked for absence of air bubbles (note if found)? YES NO (NA)

14) Was a sufficient amount of sample sent in each sample container? (YES) NO NA

15) Temperature of the samples upon receipt (See SOP for proper temps) 17.3 °C

16) Sample location prior to login: R25 R39 R44 F44 Ambient Shelf Cannabis Table Other: _____

Explain any discrepancies: No COC

Page 2 of 2

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2100780

Method Blank				Laboratory Control Sample					
Analyte	**Result**	**LOQ**	**Notes**	**Result**	**LCS**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	<LOQ	< 200		475	500	µg/g	***95%***	70 - 130	
Camphene	<LOQ	< 200		596	500	µg/g	***119%***	70 - 130	
Sabinene	<LOQ	< 200		489	500	µg/g	***98%***	70 - 130	
b-Pinene	<LOQ	< 200		491	500	µg/g	***98%***	70 - 130	
b-Myrcene	<LOQ	< 200		580	500	µg/g	***116%***	70 - 130	
a-phelllandrene	<LOQ	< 200		441	500	µg/g	***88%***	70 - 130	
d-3-Carene	<LOQ	< 200		497	500	µg/g	***99%***	70 - 130	
a-Terpinene	<LOQ	< 200		458	500	µg/g	***92%***	70 - 130	
p-Cymene	<LOQ	< 200		579	500	µg/g	***116%***	70 - 130	
D-Limonene	<LOQ	< 200		470	500	µg/g	***94%***	70 - 130	
Eucalyptol	<LOQ	< 200		590	500	µg/g	***118%***	70 - 130	
b-cis-Ocimene	<LOQ	< 66.7		153	167	µg/g	***92%***	70 - 130	
b-trans-Ocimene	<LOQ	< 133		293	333	µg/g	***88%***	70 - 130	
g-Terpinene	<LOQ	< 200		446	500	µg/g	***89%***	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		470	500	µg/g	***94%***	70 - 130	
Terpinolene	<LOQ	< 200		481	500	µg/g	***96%***	70 - 130	
D-Fenchone	<LOQ	< 200		523	500	µg/g	***105%***	70 - 130	
Linalool	<LOQ	< 200		539	500	µg/g	***108%***	70 - 130	
Fenchol	<LOQ	< 200		486	500	µg/g	***97%***	70 - 130	
Camphor	<LOQ	< 200		588	500	µg/g	***118%***	70 - 130	
Isopulego	<LOQ	< 200		561	500	µg/g	***112%***	70 - 130	
Isoborneol	<LOQ	< 200		608	500	µg/g	***122%***	70 - 130	
Borneol	<LOQ	< 200		479	500	µg/g	***96%***	70 - 130	
DL-Menthol	<LOQ	< 200		594	500	µg/g	***119%***	70 - 130	
Terpineol	<LOQ	< 200		470	500	µg/g	***94%***	70 - 130	
Nerol	<LOQ	< 200		579	500	µg/g	***116%***	70 - 130	
Pulegone	<LOQ	< 200		523	500	µg/g	***105%***	70 - 130	
Gereniol	<LOQ	< 200		461	500	µg/g	***92%***	70 - 130	
Geranyl_Acetate	<LOQ	< 200		597	500	µg/g	***119%***	70 - 130	
a-Cedrene	<LOQ	< 200		497	500	µg/g	***99%***	70 - 130	
b-Caryophyllene	<LOQ	< 200		614	500	µg/g	***123%***	70 - 130	
a-Humulene	<LOQ	< 200		509	500	µg/g	***102%***	70 - 130	
Valenene	<LOQ	< 200		609	500	µg/g	***122%***	70 - 130	
cis-Nerolidol	<LOQ	< 200		637	500	µg/g	***127%***	70 - 130	
a-Farnesene	<LOQ	< 200		507	500	µg/g	***101%***	70 - 130	
trans-Nerolidol	<LOQ	< 200		481	500	µg/g	***96%***	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		653	500	µg/g	***131%***	70 - 130	**Q4**
Guaiol	<LOQ	< 200		492	500	µg/g	***98%***	70 - 130	
Cedrol	<LOQ	< 200		583	500	µg/g	***117%***	70 - 130	
a-Bisabolol	<LOQ	< 200		574	500	µg/g	***115%***	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery
Q1	Non-homogenous sample matrix, affecting RPD result and/or % recoveries.

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Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0430

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 21-000800/D06.R00
Report Date: 01/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 01/22/21 10:32

Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2100780

Sample/Sample Duplicate **Sample ID: 21-000800-0001**

Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	556	541	200	µg/g	3%	< 20	
Camphene	<LOQ	<LOQ	200	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	200	µg/g	0%	< 20	
b-Pinene	196	193	200	µg/g	2%	< 20	
b-Myrcene	4240	4100	200	µg/g	3%	< 20	
a-phelllandrene	<LOQ	<LOQ	200	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	200	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	200	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	200	µg/g	0%	< 20	
D-Limonene	620	610	200	µg/g	2%	< 20	
Eucalyptol	<LOQ	<LOQ	200	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	66.7	µg/g	0%	< 20	
b-trans-Ocimene	500	472	133	µg/g	6%	< 20	
g-Terpinene	<LOQ	<LOQ	200	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	200	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	200	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	200	µg/g	0%	< 20	
Linalool	546	487	200	µg/g	11%	< 20	
Fenchol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Camphor	<LOQ	<LOQ	200	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	200	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	200	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	200	µg/g	0%	< 20	
Gereniol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	200	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	200	µg/g	0%	< 20	
b-Caryophyllene	3840	3690	200	µg/g	4%	< 20	
a-Humulene	1430	1360	200	µg/g	5%	< 20	
Valenene	<LOQ	<LOQ	200	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	200	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	200	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Caryophyllene_Oxide	593	569	200	µg/g	4%	< 20	
Guaiol	342	365	200	µg/g	7%	< 20	
Cedrol	274	<LOQ	200	µg/g	0%	< 20	
a-Bisabolol	1290	1220	200	µg/g	6%	< 20	

Definitions

RPD Relative Percent Difference

Formulas

Relative Percent Difference

$$= \frac{|Sample\ Result\ \mu g/g - Duplicate\ Result\ \mu g/g|}{\left(\frac{Sample\ Results\ \mu g/g + Duplicate\ Result\ \mu g/g}{2}\right)} * 100\%$$

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A Tentamus Company

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

Report Number: 21-000800/D06.R00
Report Date: 01/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 01/22/21 10:32

Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 | **Units:** mg/Kg | **Batch ID:** 2100790

Matrix Spike/Matrix Spike Duplicate Recoveries | **Sample ID: 21-000800-0001**

Analyte	Result	MS Res	MSD Res	Spike	RPD%	Limit	MS % Rec	MSD % Rec	Limits	Notes
Acephate	0.013	0.848	0.859	1.000	1.3%	< 30	83.5%	84.6%	50 - 150	
Acequinocyl	0.000	3.679	3.726	4.000	1.3%	< 30	92.0%	93.1%	50 - 150	
Acetamiprid	0.626	0.935	0.876	0.400	21.3%	< 30	77.2%	62.3%	50 - 150	
Aldicarb	0.000	0.743	0.764	0.800	2.8%	< 30	92.9%	95.5%	50 - 150	
Abamectin	0.000	0.826	0.843	1.000	1.9%	< 30	82.6%	84.3%	50 - 150	
Azoxystrobin	0.015	0.362	0.360	0.400	0.7%	< 30	86.7%	86.1%	50 - 150	
Bifenazate	0.000	0.411	0.411	0.400	0.1%	< 30	102.8%	102.9%	50 - 150	
Bifenthrin	0.000	0.342	0.353	0.400	3.3%	< 30	85.5%	88.4%	50 - 150	
Boscalid	0.000	0.750	0.851	0.800	12.6%	< 30	93.8%	106.4%	50 - 150	
Carbaryl	0.000	0.356	0.380	0.400	6.5%	< 30	88.9%	94.9%	50 - 150	
Carbofuran	0.012	0.311	0.330	0.400	6.2%	< 30	74.7%	79.5%	50 - 150	
Chlorantraniliprol	0.000	0.421	0.429	0.400	1.7%	< 30	105.4%	107.1%	50 - 150	
Chlorfenapyr	0.083	2.234	2.425	2.000	8.5%	< 30	107.6%	117.1%	50 - 150	
Chlorpyrifos	0.000	0.406	0.407	0.400	0.3%	< 30	101.5%	101.8%	50 - 150	
Clofentezine	0.000	0.152	0.157	0.400	2.8%	< 30	38.1%	39.2%	50 - 150	Q
Cyfluthrin	0.000	1.683	1.606	2.000	4.7%	< 30	84.2%	80.3%	30 - 150	
Cypermethrin	0.104	1.623	1.654	2.000	2.0%	< 30	75.9%	77.5%	50 - 150	
Daminozide	0.064	0.678	0.672	2.000	1.0%	< 30	30.7%	30.4%	30 - 150	
Diazinon	0.000	0.370	0.366	0.400	1.1%	< 30	92.5%	91.6%	50 - 150	
Dichlorvos	0.000	1.780	1.844	2.000	3.6%	< 30	89.0%	92.2%	50 - 150	
Dimethoat	0.000	0.395	0.403	0.400	2.1%	< 30	98.8%	100.8%	50 - 150	
Ethoprophos	0.000	0.437	0.467	0.400	6.8%	< 30	109.2%	116.8%	50 - 150	
Etofenprox	0.008	0.735	0.720	0.800	2.1%	< 30	90.9%	89.0%	50 - 150	
Etoxazol	0.021	0.390	0.394	0.400	1.1%	< 30	92.4%	93.4%	50 - 150	
Fenoxycarb	0.000	0.359	0.365	0.400	1.8%	< 30	89.8%	91.4%	50 - 150	
Fenpyroximat	0.000	0.728	0.746	0.800	2.3%	< 30	91.1%	93.2%	50 - 150	
Fipronil	0.000	0.644	0.648	0.800	0.7%	< 30	80.5%	81.0%	50 - 150	
Flonicamid	0.000	1.143	0.898	1.000	24.0%	< 30	114.3%	89.8%	50 - 150	
Fludioxonil	0.000	0.759	0.780	0.800	2.8%	< 30	94.8%	97.5%	50 - 150	
Hexythiazox	0.000	0.599	0.624	1.000	4.1%	< 30	59.9%	62.4%	50 - 150	
Imazalil	0.000	0.371	0.387	0.400	4.1%	< 30	92.7%	96.6%	50 - 150	
Imidacloprid	0.000	0.822	0.820	0.800	0.2%	< 30	102.7%	102.5%	50 - 150	
Kresoxim-Methyl	0.000	0.804	0.811	0.800	0.9%	< 30	100.5%	101.4%	50 - 150	
Malathion	0.000	0.379	0.382	0.400	0.9%	< 30	94.8%	95.6%	50 - 150	
Metalaxyl	0.000	0.375	0.381	0.400	1.7%	< 30	93.8%	95.3%	50 - 150	
Methiocarb	0.000	0.379	0.379	0.400	0.1%	< 30	94.7%	94.8%	50 - 150	
Methomyl	0.000	0.694	0.685	0.800	1.3%	< 30	86.8%	85.6%	50 - 150	
MGK 264	0.000	0.342	0.352	0.400	2.9%	< 30	85.4%	87.9%	50 - 150	
Myclobutanil	0.000	0.396	0.395	0.400	0.3%	< 30	98.9%	98.7%	50 - 150	
Naled	0.000	0.832	0.823	1.000	1.1%	< 30	83.2%	82.3%	50 - 150	
Oxamyl	0.000	1.930	1.946	2.000	0.8%	< 30	96.5%	97.3%	50 - 150	
Paclobutrazol	0.000	0.856	0.862	0.800	0.7%	< 30	107.1%	107.8%	50 - 150	
Parathion Methyl	0.000	0.696	0.744	0.800	6.7%	< 30	87.0%	93.0%	30 - 150	
Permethrin	0.000	0.439	0.447	0.400	1.8%	< 30	109.7%	111.7%	50 - 150	
Phosmet	0.000	0.352	0.361	0.400	2.6%	< 30	87.9%	90.3%	50 - 150	
Piperonyl butoxide	0.000	1.725	1.871	2.000	8.1%	< 30	86.2%	93.5%	50 - 150	
Prallethrin	0.000	0.298	0.321	0.400	7.5%	< 30	74.6%	80.4%	50 - 150	
Propiconazole	0.000	0.722	0.741	0.800	2.5%	< 30	90.3%	92.6%	50 - 150	
Propoxur	0.003	0.336	0.348	0.400	3.5%	< 30	83.3%	86.3%	50 - 150	
Pyrethrins	0.000	0.351	0.375	0.413	6.4%	< 30	85.1%	90.7%	50 - 150	
Pyridaben	0.000	0.283	0.295	0.400	4.3%	< 30	70.8%	73.9%	50 - 150	
Spinosad	0.000	0.367	0.375	0.388	2.1%	< 30	94.5%	96.6%	50 - 150	
Spiromesifen	0.000	0.374	0.402	0.400	7.4%	< 30	93.4%	100.6%	50 - 150	
Spirotetramat	0.000	0.456	0.433	0.400	5.3%	< 30	114.1%	108.2%	50 - 150	
Spiroxamine	0.000	0.770	0.813	0.800	5.5%	< 30	96.2%	101.6%	50 - 150	
Tebuconazol	0.000	0.775	0.771	0.800	0.6%	< 30	96.9%	96.3%	50 - 150	
Thiacloprid	0.000	0.364	0.367	0.400	0.6%	< 30	91.1%	91.7%	50 - 150	
Thiamethoxam	0.000	0.395	0.409	0.400	3.5%	< 30	98.8%	102.3%	50 - 150	
Trifloxystrobin	0.000	0.355	0.354	0.400	0.2%	< 30	88.7%	88.6%	50 - 150	

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503-254-1794

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Purchase Order:
Received: 01/22/21 10:32

Revision: 1.00 Control: CFL-C21
Revised: 08/12/2019 Effective: 08/15/2019

Laboratory Pesticide Quality Control Results

AOAC 2007.1 & EN 15662 | **Units:** mg/Kg | **Batch ID:** 2100790

Method Blank				Laboratory Control Sample				
Analyte	**Blank Result**	**Blank Limits**	**Notes**	**LCS Result**	**LCS Spike**	**LCS % Rec**	**Limits**	**Notes**
Acephate	0.021	< 0.200		0.930	1.000	93.0	69.2 - 118	
Acequinocyl	0.000	< 1.000		3.540	4.000	88.5	71.5 - 133	
Acetamiprid	0.000	< 0.100		0.405	0.400	101.4	75.2 - 122	
Aldicarb	0.000	< 0.200		0.799	0.800	99.8	72.4 - 126	
Abamectin	0.000	< 0.288		1.025	1.000	102.5	74.9 - 121	
Azoxystrobin	0.000	< 0.100		0.389	0.400	97.3	79.3 - 118	
Bifenazate	0.000	< 0.100		0.419	0.400	***104.8***	108.2 - 201	Q6
Bifenthrin	0.000	< 0.100		0.397	0.400	99.2	74.7 - 119	
Boscalid	0.000	< 0.100		0.852	0.800	106.5	76.9 - 129	
Carbaryl	0.000	< 0.100		0.427	0.400	106.8	76.0 - 122	
Carbofuran	0.010	< 0.100		0.412	0.400	103.1	78.3 - 125	
Chlorantraniliprol	0.000	< 0.100		0.409	0.400	102.3	65.3 - 121	
Chlorfenapyr	0.000	< 1.000		2.006	2.000	100.3	70.1 - 130	
Chlorpyrifos	0.000	< 0.100		0.417	0.400	104.3	66.2 - 123	
Clofentezine	0.000	< 0.100		0.126	0.400	***31.6***	53.0 - 98.3	Q6
Cyfluthrin	0.000	< 1.000		1.865	2.000	93.2	74.2 - 126	
Cypermethrin	0.000	< 1.000		1.920	2.000	96.0	72.6 - 126	
Daminozide	0.066	< 1.000		0.713	2.000	35.7	24.2 - 45	
Diazinon	0.000	< 0.100		0.408	0.400	102.0	72.3 - 124	
Dichlorvos	0.000	< 0.500		2.359	2.000	118.0	74.9 - 123	
Dimethoat	0.000	< 0.100		0.404	0.400	100.9	78.6 - 116	
Ethoprophos	0.000	< 0.100		0.429	0.400	107.2	73.8 - 122	
Etofenprox	0.004	< 0.100		0.701	0.800	87.7	78.5 - 123	
Etoxazol	0.009	< 0.100		0.373	0.400	93.3	78.3 - 145	
Fenoxycarb	0.000	< 0.100		0.401	0.400	100.3	75.9 - 123	
Fenpyroximat	0.000	< 0.100		0.793	0.800	99.2	76.2 - 123	
Fipronil	0.000	< 0.100		0.836	0.800	104.5	72.2 - 123	
Flonicamid	0.000	< 0.400		1.171	1.000	117.1	76.3 - 119	
Fludioxonil	0.000	< 0.100		0.798	0.800	99.8	68.3 - 127	
Hexythiazox	0.000	< 0.400		0.973	1.000	97.3	68.1 - 126	
Imazalil	0.000	< 0.100		0.416	0.400	104.0	73.0 - 123	
Imidacloprid	0.000	< 0.200		0.834	0.800	104.3	77.9 - 119	
Kresoxim-Methyl	0.000	< 0.100		0.829	0.800	103.6	73.1 - 124	
Malathion	0.000	< 0.100		0.406	0.400	101.5	76.9 - 123	
Metalaxyl	0.000	< 0.100		0.382	0.400	95.4	77.5 - 117	
Methiocarb	0.000	< 0.100		0.414	0.400	103.6	77.5 - 122	
Methomyl	0.000	< 0.200		0.831	0.800	103.9	71.2 - 122	
MGK 264	0.000	< 0.100		0.409	0.400	102.2	74.2 - 125	
Myclobutanil	0.000	< 0.100		0.398	0.400	99.6	77.6 - 119	
Naled	0.000	< 0.200		0.189	1.000	***18.9***	62.9 - 116	Q6
Oxamyl	0.000	< 0.400		1.998	2.000	99.9	70.9 - 120	
Paclobutrazol	0.000	< 0.200		0.769	0.800	96.1	77.7 - 128	
Parathion Methyl	0.000	< 0.200		0.828	0.800	103.6	68.7 - 128	
Permethrin	0.000	< 0.100		0.448	0.400	112.0	75.7 - 120	
Phosmet	0.000	< 0.100		0.409	0.400	102.2	75.7 - 123	
Piperonyl butoxide	0.000	< 1.000		2.009	2.000	100.5	68.4 - 127	
Prallethrin	0.000	< 0.200		0.411	0.400	102.7	70.8 - 132	
Propiconazole	0.000	< 0.200		0.786	0.800	98.3	77.1 - 119	
Propoxur	0.015	< 0.100		0.405	0.400	101.2	77.8 - 121	
Pyrethrins	0.000	< 0.500		0.402	0.413	97.2	76.5 - 142	
Pyridaben	0.000	< 0.100		0.393	0.400	98.3	73.1 - 127	
Spinosad	0.000	< 0.100		0.412	0.388	106.2	72.8 - 135	
Spiromesifen	0.000	< 0.100		0.394	0.400	98.6	71.8 - 125	
Spirotetramat	0.000	< 0.100		0.402	0.400	100.6	74.4 - 126	
Spiroxamine	0.000	< 0.100		0.844	0.800	105.4	65.9 - 122	
Tebuconazol	0.000	< 0.200		0.797	0.800	99.7	74.8 - 122	
Thiacloprid	0.000	< 0.100		0.405	0.400	101.2	74.6 - 121	
Thiamethoxam	0.000	< 0.100		0.409	0.400	102.4	74.1 - 120	
Trifloxystrobin	0.000	< 0.100		0.408	0.400	102.1	77.3 - 123	

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Report Date: 01/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 01/22/21 10:32

Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2100833**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.0405	0.04	%	101	85.0 - 115	Acceptable	
CBDV	0.0412	0.04	%	103	85.0 - 115	Acceptable	
CBD-A	0.0404	0.04	%	101	85.0 - 115	Acceptable	
CBG-A	0.0399	0.04	%	99.8	85.0 - 115	Acceptable	
CBG	0.0410	0.04	%	103	85.0 - 115	Acceptable	
CBD	0.0398	0.04	%	99.6	85.0 - 115	Acceptable	
THCV	0.0414	0.04	%	104	85.0 - 115	Acceptable	
THCVA	0.0375	0.04	%	93.6	85.0 - 115	Acceptable	
CBN	0.0428	0.04	%	107	85.0 - 115	Acceptable	
THC	0.0442	0.04	%	111	85.0 - 115	Acceptable	
D8THC	0.0382	0.04	%	95.5	85.0 - 115	Acceptable	
CBL	0.0424	0.04	%	106	85.0 - 115	Acceptable	
CBC	0.0408	0.04	%	102	85.0 - 115	Acceptable	
THCA	0.0407	0.04	%	102	85.0 - 115	Acceptable	
CBCA	0.0389	0.04	%	97.1	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<LOQ	0.03	%	< 0.03	Acceptable	
CBDV	<LOQ	0.03	%	< 0.03	Acceptable	
CBD-A	<LOQ	0.03	%	< 0.03	Acceptable	
CBG-A	<LOQ	0.03	%	< 0.03	Acceptable	
CBG	<LOQ	0.03	%	< 0.03	Acceptable	
CBD	<LOQ	0.03	%	< 0.03	Acceptable	
THCV	<LOQ	0.03	%	< 0.03	Acceptable	
THCVA	<LOQ	0.03	%	< 0.03	Acceptable	
CBN	<LOQ	0.03	%	< 0.03	Acceptable	
THC	<LOQ	0.03	%	< 0.03	Acceptable	
D8THC	<LOQ	0.03	%	< 0.03	Acceptable	
CBL	<LOQ	0.03	%	< 0.03	Acceptable	
CBC	<LOQ	0.03	%	< 0.03	Acceptable	
THCA	<LOQ	0.03	%	< 0.03	Acceptable	
CBCA	<LOQ	0.03	%	< 0.03	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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Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0430

Columbia LABORATORIES
A Tentamus Company

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

Report Number: 21-000800/D06.R00
Report Date: 01/29/2021
ORELAP#: OR100028
Purchase Order:
Received: 01/22/21 10:32

Revision #: 0.00 Control : CFL-D06
Revision Date: 05/31/2019 Effective Date: 05/31/2019

Laboratory Quality Control Results

J AOAC 2015 V98-6					Batch ID: 2100833			
Sample Duplicate					Sample ID: **21-000800-0001**			
Analyte	**Result**	**Org. Result**	**LOQ**	**Units**	**RPD**	**Limits**	**Evaluation**	**Notes**
CBDV-A	0.0940	0.0933	0.03	%	0.814	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBD-A	14.2	14.4	0.03	%	1.50	< 20	Acceptable	
CBG-A	0.312	0.316	0.03	%	1.47	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBD	0.449	0.449	0.03	%	0.105	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
THC	0.0781	0.0781	0.03	%	0.0215	< 20	Acceptable	
D8THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBC	0.0396	0.0397	0.03	%	0.148	< 20	Acceptable	
THCA	0.529	0.527	0.03	%	0.485	< 20	Acceptable	
CBCA	0.673	0.671	0.03	%	0.313	< 20	Acceptable	

Abbreviations

ND - None Detected at or above MRL
RPD - Relative Percent Difference
LOQ - Limit of Quantitation
NA - Calculation Not Applicable given non-numerical results

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	Quantitaion level raised due to matrix interference.
B	Analyte detected in method blank, but not in associated samples.
B1	The sample concentration is greater than 5 times the blank concentration.
B2	The sample concentration is less than 5 times the blank concentration.

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