Columbia LABORATORIES
A Tentamus Company

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

Report Number: 22-006203/D004.R001
Report Date: 06/07/2022
ORELAP#: OR100028
Purchase Order:
Received: 05/27/22 12:19

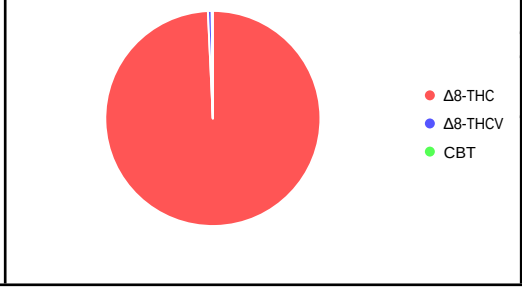
This is an amended version of report# 22-006203/D004.R000.
Reason: Combine results with report 22-006021/D004.R000.

Customer: Oregon Custom Supply
Product identity: ST-051722-01N
Manufactured Date: 5/22/2022
Retest Date: 5/22/2024
Laboratory ID: 22-006203-0001

Summary

Potency:

Analyte	Result (%)
Δ8-THC	73.2
Δ8-THCV	0.419
CBT†	0.123



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.

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene†	5.61	57.13%	Linalool†	0.921	9.38%
(-)-ß-Pinene†	0.675	6.87%	a-pinene†	0.670	6.82%
ß-Caryophyllene†	0.626	6.37%	Terpinolene†	0.263	2.68%
Humulene†	0.173	1.76%	ß-Myrcene†	0.170	1.73%
Camphene†	0.169	1.72%	(+)-fenchol†	0.132	1.34%
cis-ß-Ocimene†	0.104	1.06%	(-)-a-Terpineol†	0.0633	0.64%
a-phellandrene†	0.0562	0.57%	gamma-Terpinene†	0.0530	0.54%
a-Terpinene†	0.0524	0.53%	p-Cymene†	0.0466	0.47%
(±)-Camphor†	0.0338	0.34%	**Total Terpenes†**	**9.82**	**100.00%**

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

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Report Number: 22-006021/D004.R000
Report Date: 05/26/2022
ORELAP#: OR100028
Purchase Order:
Received: 05/24/22 12:11

Customer: Oregon Custom Supply
United States of America (USA)
Product identity: ST-051722-01N
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-006021-0001
Evidence of Cooling: No
Temp: 24.7 °C
Relinquished by: Client

Sample Results

Potency **Method** J AOAC 2015 V98-6 (mod) **Units** % **Batch:** 2204486 **Analyze:** 5/25/22 10:51:00 PM

Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0690	
CBC-A†	< LOQ		0.0690	
CBC-Total†	< LOQ		0.129	
CBD	< LOQ		0.0690	
CBD-A	< LOQ		0.0690	
CBD-Total	< LOQ		0.129	
CBDV†	< LOQ		0.0690	
CBDV-A†	< LOQ		0.0690	
CBDV-Total†	< LOQ		0.129	
CBE†	< LOQ		0.0690	
CBG†	< LOQ		0.0690	
CBG-A†	< LOQ		0.0690	
CBG-Total	< LOQ		0.129	
CBL†	< LOQ		0.0690	
CBL-A†	< LOQ		0.0690	
CBL-Total†	< LOQ		0.129	
CBN	< LOQ		0.0690	
CBT†	0.123		0.0690	
Δ8-THC	73.2		0.690	
Δ8-THCV	0.419		0.0690	
Δ9-THC	< LOQ		0.0690	
exo-THC	< LOQ		0.0690	
THC-A	< LOQ		0.0690	
THC-Total	< LOQ		0.129	
THCV†	< LOQ		0.0690	
THCV-A†	< LOQ		0.0690	
THCV-Total†	< LOQ		0.129	
Total Cannabinoids†	73.7			

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ORELAP#: OR100028
Purchase Order:
Received: 05/27/22 12:19

Customer: Oregon Custom Supply
United States of America (USA)
Product identity: ST-051722-01N
Client/Metrc ID: .
Sample Date:
Laboratory ID: 22-006203-0001
Evidence of Cooling: No
Temp: 28.6 °C
Relinquished by: Client

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
E.coli	< LOQ		cfu/g	10	2204576	06/02/22	AOAC 991.14 (Petrifilm)		X
Total Coliforms	< LOQ		cfu/g	10	2204576	06/02/22	AOAC 991.14 (Petrifilm)		X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	2204575	06/03/22	AOAC 2014.05 (RAPID)		X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	2204575	06/03/22	AOAC 2014.05 (RAPID)		X

Solvents

Method Residual Solvents by GC/MS **Units** µg/g **Batch** 2204718 **Analyze** 06/03/22 10:49 AM

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** 2204597 **Analyze** 05/31/22 03:26 PM

Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes
Abamectin	< LOQ	0.100	0.100			Acephate	< LOQ	0.100	0.100		
Acequinocyl	< LOQ	0.100	0.100			Acetamiprid	< LOQ	0.100	0.100		
Aldicarb	< LOQ	0.100	0.100			Azoxystrobin	< LOQ	0.100	0.100		
Bifenazate	< LOQ	0.100	0.100			Bifenthrin	< LOQ	3.00	3.00		
Boscalid	< LOQ	0.100	0.100			Captan	< LOQ	0.700	0.700		
Carbaryl	< LOQ	0.500	0.500			Carbofuran	< LOQ	0.100	0.100		
Chlorantraniliprole	< LOQ	10.0	3.00			Chlordane	< LOQ	0.1	0.100		
Chlorfenapyr	< LOQ	0.100	0.100			Chlorpyrifos	< LOQ	0.100	0.100		
Clofentezine	< LOQ	0.100	0.100			Coumaphos	< LOQ	0.100	0.100		
Cyfluthrin	< LOQ	2.00	2.00			Cypermethrin	< LOQ	1.00	1.00		
Daminozide	< LOQ	0.100	0.100			Diazinon	< LOQ	0.100	0.100		
Dichlorvos	< LOQ	0.100	0.100			Dimethoate	< LOQ	0.100	0.100		
Dimethomorph	< LOQ	2.00	2.00			Ethoprophos	< LOQ	0.100	0.100		
Etofenprox	< LOQ	0.100	0.100			Etoxazole	< LOQ	0.100	0.100		
Fenhexamid	< LOQ	0.100	0.100			Fenoxycarb	< LOQ	0.100	0.100		
Fenpyroximate	< LOQ	0.100	0.100			Fipronil	< LOQ	0.100	0.100		
Flonicamid	< LOQ	0.100	0.100			Fludioxonil	< LOQ	0.100	0.100		
Hexythiazox	< LOQ	0.100	0.100			Imazalil	< LOQ	0.100	0.100		
Imidacloprid	< LOQ	5.00	3.00			Kresoxim-methyl	< LOQ	0.100	0.100		
Malathion	< LOQ	0.500	0.500			Metalaxyl	< LOQ	2.00	2.00		
Methiocarb	< LOQ	0.100	0.100			Methomyl	< LOQ	1.00	1.00		
Mevinphos	< LOQ	0.100	0.100			Myclobutanil	< LOQ	0.100	0.100		
Naled	< LOQ	0.100	0.100			Oxamyl	< LOQ	0.500	0.500		
Paclobutrazole	< LOQ	0.100	0.100			Parathion-Methyl	< LOQ	0.100	0.100		
Permethrin	< LOQ	0.500	0.500			Phosmet	< LOQ	0.100	0.100		
Piperonyl butoxide	< LOQ	3.00	3.00			Prallethrin	< LOQ	0.100	0.100		
Propiconazole	< LOQ	0.100	0.100			Propoxur	< LOQ	0.100	0.100		
Pyrethrins (total)	< LOQ	0.500	0.500			Pyridaben	< LOQ	0.100	0.100		
Quintozene	< LOQ	0.100	0.100			Spinetoram	< LOQ	0.100	0.100		
Spinosad	< LOQ	0.100	0.100			Spiromesifen	< LOQ	0.100	0.100		
Spirotetramat	< LOQ	0.100	0.100			Spiroxamine	< LOQ	0.100	0.100		
Tebuconazole	< LOQ	0.100	0.100			Thiacloprid	< LOQ	0.100	0.100		
Thiamethoxam	< LOQ	5.00	3.00			Trifloxystrobin	< LOQ	0.100	0.100		

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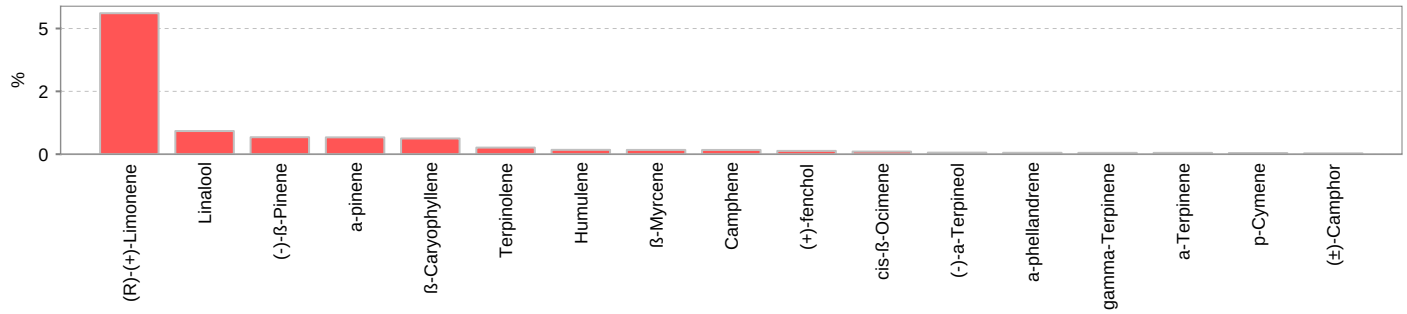
Received: 05/27/22 12:19

Terpenes

Method J AOAC 2015 V98-6 **Units** % **Batch** 2204711 **Analyze** 06/02/22 11:42 PM

Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene†	5.61	0.200	57.13%		Linalool†	0.921	0.020	9.379%	
(-)-ß-Pinene†	0.675	0.020	6.874%		a-pinene†	0.670	0.020	6.823%	
ß-Caryophyllene†	0.626	0.020	6.375%		Terpinolene†	0.263	0.020	2.678%	
Humulene†	0.173	0.020	1.762%		ß-Myrcene†	0.170	0.020	1.731%	
Camphene†	0.169	0.020	1.721%		(+)-fenchol†	0.132	0.020	1.344%	
cis-ß-Ocimene†	0.104	0.006	1.059%		(-)-a-Terpineol†	0.0633	0.020	0.6446%	
a-phellandrene†	0.0562	0.020	0.5723%		gamma-Terpinene†	0.0530	0.020	0.5397%	
a-Terpinene†	0.0524	0.020	0.5336%		p-Cymene†	0.0466	0.020	0.4745%	
(±)-Camphor†	0.0338	0.020	0.3442%		(+)-Borneol†	< LOQ	0.020	0.00%	
Geraniol†	< LOQ	0.020	0.00%		farnesene†	< LOQ	0.020	0.00%	
nerol†	< LOQ	0.020	0.00%		Isoborneol†	< LOQ	0.020	0.00%	
Geranyl acetate†	< LOQ	0.020	0.00%		(-)-caryophyllene oxide†	< LOQ	0.020	0.00%	
(+)-Cedrol†	< LOQ	0.020	0.00%		(+)-Pulegone†	< LOQ	0.020	0.00%	
(±)-trans-Nerolidol†	< LOQ	0.020	0.00%		a-Bisabolol†	< LOQ	0.020	0.00%	
(-)-Guaiol†	< LOQ	0.020	0.00%		(-)-Isopulegol†	< LOQ	0.020	0.00%	
(±)-cis-Nerolidol†	< LOQ	0.020	0.00%		(±)-fenchone†	< LOQ	0.020	0.00%	
a-cedrene†	< LOQ	0.020	0.00%		d-3-Carene†	< LOQ	0.020	0.00%	
Eucalyptol†	< LOQ	0.020	0.00%		Menthol†	< LOQ	0.020	0.00%	
Sabinene†	< LOQ	0.020	0.00%		Sabinene hydrate†	< LOQ	0.020	0.00%	
trans-ß-Ocimene†	< LOQ	0.013	0.00%		valencene†	< LOQ	0.020	0.00%	
Total Terpenes	**9.82**								



Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Arsenic	< LOQ	0.200	mg/kg	0.0850	2204705	06/02/22	AOAC 2013.06 (mod.)	pass	X
Cadmium	< LOQ	0.200	mg/kg	0.0850	2204705	06/02/22	AOAC 2013.06 (mod.)	pass	X
Lead	< LOQ	0.500	mg/kg	0.0850	2204705	06/02/22	AOAC 2013.06 (mod.)	pass	X
Mercury	< LOQ	0.100	mg/kg	0.0425	2204705	06/02/22	AOAC 2013.06 (mod.)	pass	X

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Mycotoxins

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Status	Notes
Aflatoxin B2†	< LOQ		µg/kg	5.00	2204695	06/02/22	AOAC 2007.01 & EN 15		
Aflatoxin B1†	< LOQ		µg/kg	5.00	2204695	06/02/22	AOAC 2007.01 & EN 15		
Aflatoxin G1†	< LOQ		µg/kg	5.00	2204695	06/02/22	AOAC 2007.01 & EN 15		
Aflatoxin G2†	< LOQ		µg/kg	5.00	2204695	06/02/22	AOAC 2007.01 & EN 15		
Deoxynivalenol†	< LOQ		µg/kg	200	2204695	06/02/22	AOAC 2007.01 & EN 15		
Fumonisin B1†	< LOQ		µg/kg	200	2204695	06/02/22	AOAC 2007.01 & EN 15		
Fumonisin B2†	< LOQ		µg/kg	200	2204695	06/02/22	AOAC 2007.01 & EN 15		
HT2-Toxin†	< LOQ		µg/kg	40.0	2204695	06/02/22	AOAC 2007.01 & EN 15		
Ochratoxin A†	< LOQ		µg/kg	5.00	2204695	06/02/22	AOAC 2007.01 & EN 15		
Ochratoxin B†	< LOQ		µg/kg	2.00	2204695	06/02/22	AOAC 2007.01 & EN 15		
T2-Toxin†	< LOQ		µg/kg	20.0	2204695	06/02/22	AOAC 2007.01 & EN 15		
Zearalenone†	< LOQ		µg/kg	200	2204695	06/02/22	AOAC 2007.01 & EN 15		

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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

cfu/g = Colony forming units per gram
µg/g = Microgram per gram
µg/kg = Micrograms per kilogram = parts per billion (ppb)
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

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400 OAR 333-007-0410

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12423 NE Whitaker Way Portland OR 97230 p.503-254-1794

Cannabis Chain of Custody Record

PIXIS Labs
A Tentamus Company
ORELAP ID: OR100028

Company: Oregon Custom Supply
Contact: Bharath Pogula
Address: 212 NE North St, Grass Valley, OR - 97029
Email: testing@gvbbiopharma.com
Phone: 973-722-5455 Fax:
Processor's License:

Purchase Order Number:
Project Number:
Project Name:

☐ Report Instructions:
☐ Send to State - METRC
☐ Email Final Results:
☐ Fax Final Results
☐ Cash/Check/CC/Net 30
Other:

Field ID	Date/Time Collected	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 Pesticides (California profile)	Matrix	Weight	Serving size for edibles	Comments/Metrc ID
ST-051722-01N	5/24/22 8 AM				X			X	X	x	X	x	x	NA	50g	NA	Mfg.date: 5/23/22
LPC-051722-01N	5/24/22 8 AM				X			X	X	x	X	x	x	NA	50g	NA	
PC-051722-01N	5/24/22 8 AM				X			X	X	x	X	x	x	NA	50g	NA	

Collected By:	Relinquished By:	Date	Time	Received by:	Date	Time	Lab Use Only:
☐Standard (5 day)	PBK	5/24/22	8 AM	DS	5/27/22	12:19	Client Alias:
☑Rush (3-4 day) (1.5x Standard)							Order Number:
☐Priority Rush (2 day) (2x Standard)							Proper Container
							Sample Condition
							Temperature: 28.6°C
							Shipped Via: Client
							Evidence of cooling: ~~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
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Revision: 1 Document ID: 7086
Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2204711

Method Blank					Laboratory Control Sample					
Analyte	**Result**	**LOQ**		**Notes**	**Result**	**LCS**	**Units**	**LCS % Rec**	**Limits**	**Notes**
a-pinene	<LOQ	<	200		493	650	µg/g	***76%***	70 - 130	
Camphene	<LOQ	<	200		376	500	µg/g	***75%***	70 - 130	
Sabinene	<LOQ	<	200		511	650	µg/g	***79%***	70 - 130	
b-Pinene	<LOQ	<	200		510	650	µg/g	***79%***	70 - 130	
b-Myrcene	<LOQ	<	200		368	500	µg/g	***74%***	70 - 130	
a-phelllandrene	<LOQ	<	200		357	500	µg/g	***71%***	70 - 130	
d-3-Carene	<LOQ	<	200		360	500	µg/g	***72%***	70 - 130	
a-Terpinene	<LOQ	<	200		506	650	µg/g	***78%***	70 - 130	
p-Cymene	<LOQ	<	200		381	500	µg/g	***76%***	70 - 130	
D-Limonene	<LOQ	<	200		538	650	µg/g	***83%***	70 - 130	
Eucalyptol	<LOQ	<	200		359	500	µg/g	***72%***	70 - 130	
b-cis-Ocimene	<LOQ	<	67		125	167	µg/g	***75%***	70 - 130	
b-trans-Ocimene	<LOQ	<	133		261	333	µg/g	***78%***	70 - 130	
g-Terpinene	<LOQ	<	200		537	650	µg/g	***83%***	70 - 130	
Sabinene_Hydrate	<LOQ	<	200		538	650	µg/g	***83%***	70 - 130	
Terpinolene	<LOQ	<	200		549	650	µg/g	***84%***	70 - 130	
D-Fenchone	<LOQ	<	200		469	650	µg/g	***72%***	70 - 130	
Linalool	<LOQ	<	200		446	500	µg/g	***89%***	70 - 130	
Fenchol	<LOQ	<	200		551	650	µg/g	***85%***	70 - 130	
Camphor	<LOQ	<	200		384	500	µg/g	***77%***	70 - 130	
Isopulego	<LOQ	<	200		403	500	µg/g	***81%***	70 - 130	
Isoborneol	<LOQ	<	200		383	500	µg/g	***77%***	70 - 130	
Borneol	<LOQ	<	200		547	650	µg/g	***84%***	70 - 130	
DL-Menthol	<LOQ	<	200		388	500	µg/g	***78%***	70 - 130	
Terpineol	<LOQ	<	200		566	650	µg/g	***87%***	70 - 130	
Nerol	<LOQ	<	200		391	500	µg/g	***78%***	70 - 130	
Pulegone	<LOQ	<	200		568	650	µg/g	***87%***	70 - 130	
Gereniol	<LOQ	<	200		522	650	µg/g	***80%***	70 - 130	
Geranyl_Acetate	<LOQ	<	200		421	500	µg/g	***84%***	70 - 130	
a-Cedrene	<LOQ	<	200		593	650	µg/g	***91%***	70 - 130	
b-Caryophyllene	<LOQ	<	200		397	500	µg/g	***79%***	70 - 130	
a-Humulene	<LOQ	<	200		596	650	µg/g	***92%***	70 - 130	
Valenene	<LOQ	<	200		368	500	µg/g	***74%***	70 - 130	
cis-Nerolidol	<LOQ	<	200		425	500	µg/g	***85%***	70 - 130	
a-Farnesene	<LOQ	<	200		428	500	µg/g	***86%***	70 - 130	
trans-Nerolidol	<LOQ	<	200		586	650	µg/g	***90%***	70 - 130	
Caryophyllene_Oxide	<LOQ	<	200		427	500	µg/g	***85%***	70 - 130	
Guaiol	<LOQ	<	200		587	650	µg/g	***90%***	70 - 130	
Cedrol	<LOQ	<	200		401	500	µg/g	***80%***	70 - 130	
a-Bisabolol	<LOQ	<	200		398	500	µg/g	***80%***	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery

Columbia LABORATORIES
A Tentamus Company

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Terpenes Quality Control Results

Method Reference: EPA 5035 **Batch ID:** 2204711

Sample/Sample Duplicate **Sample ID: 22-006203-0001**

Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	6830	6700	200	µg/g	2%	< 20	
Camphene	1730	1690	200	µg/g	2%	< 20	
Sabinene	<LOQ	<LOQ	200	µg/g	0%	< 20	
b-Pinene	6790	6750	200	µg/g	1%	< 20	
b-Myrcene	1690	1700	200	µg/g	1%	< 20	
a-phelllandrene	607	562	200	µg/g	8%	< 20	
d-3-Carene	<LOQ	<LOQ	200	µg/g	0%	< 20	
a-Terpinene	520	524	200	µg/g	1%	< 20	
p-Cymene	465	466	200	µg/g	0%	< 20	
D-Limonene	56800	56100	200	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	200	µg/g	0%	< 20	
b-cis-Ocimene	1060	1040	66.6	µg/g	2%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	133	µg/g	0%	< 20	
g-Terpinene	528	530	200	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	200	µg/g	0%	< 20	
Terpinolene	2660	2630	200	µg/g	1%	< 20	
D-Fenchone	<LOQ	<LOQ	200	µg/g	0%	< 20	
Linalool	9330	9210	200	µg/g	1%	< 20	
Fenchol	1340	1320	200	µg/g	2%	< 20	
Camphor	335	338	200	µg/g	1%	< 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	643	633	200	µg/g	2%	< 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	6340	6260	200	µg/g	1%	< 20	
a-Humulene	1750	1730	200	µg/g	1%	< 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	<LOQ	<LOQ	200	µg/g	0%	< 20	
Guaiol	<LOQ	<LOQ	200	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	200	µg/g	0%	< 20	
a-Bisabolol	<LOQ	<LOQ	200	µg/g	0%	< 20	

Definitions

RPD Relative Percent Difference

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Laboratory Quality Control Results

Residual Solvents **Batch ID:** 2204718

Method Blank					Laboratory Control Sample							
Analyte	**Result**		**LOQ**	**Notes**	**Result**	**Spike**	**Units**	**% Rec**	**Limits**			**Notes**
Propane	ND	<	200		480	572	µg/g	83.9	60	-	120	
Isobutane	ND	<	200		693	731	µg/g	94.8	60	-	120	
Butane	ND	<	200		669	731	µg/g	91.5	60	-	120	
2,2-Dimethylpropane	ND	<	200		803	936	µg/g	85.8	60	-	120	
Methanol	ND	<	200		1600	1620	µg/g	98.8	60	-	120	
Ethylene Oxide	ND	<	30		56	56.2	µg/g	99.6	60	-	120	
2-Methylbutane	ND	<	200		1720	1620	µg/g	106.2	60	-	120	
Pentane	ND	<	200		1710	1610	µg/g	106.2	60	-	120	
Ethanol	ND	<	200		1720	1630	µg/g	105.5	70	-	130	
Ethyl Ether	ND	<	200		1710	1620	µg/g	105.6	60	-	120	
2,2-Dimethylbutane	ND	<	30		179	174	µg/g	102.9	60	-	120	
Acetone	ND	<	200		1700	1650	µg/g	103.0	60	-	120	
2-Propanol	ND	<	200		1680	1610	µg/g	104.3	60	-	120	
Ethyl Formate	ND	<	500		1570	1600	µg/g	98.1	70	-	130	
Acetonitrile	ND	<	100		496	498	µg/g	99.6	60	-	120	
Methyl Acetate	ND	<	500		1570	1610	µg/g	97.5	70	-	130	
2,3-Dimethylbutane	ND	<	30		185	176	µg/g	105.1	60	-	120	
Dichloromethane	ND	<	60		553	510	µg/g	108.4	60	-	120	
2-Methylpentane	ND	<	30		179	176	µg/g	101.7	60	-	120	
MTBE	ND	<	500		1640	1600	µg/g	102.5	70	-	130	
3-Methylpentane	ND	<	30		180	175	µg/g	102.9	60	-	120	
Hexane	ND	<	30		185	177	µg/g	104.5	60	-	120	
1-Propanol	ND	<	500		1590	1610	µg/g	98.8	70	-	130	
Methylethylketone	ND	<	500		1660	1600	µg/g	103.8	70	-	130	
Ethyl acetate	ND	<	200		1720	1630	µg/g	105.5	60	-	120	
2-Butanol	ND	<	200		1670	1620	µg/g	103.1	60	-	120	
Tetrahydrofuran	ND	<	100		528	500	µg/g	105.6	60	-	120	
Cyclohexane	ND	<	200		1690	1620	µg/g	104.3	60	-	120	
2-methyl-1-propanol	ND	<	500		1500	1620	µg/g	92.6	70	-	130	
Benzene	ND	<	1		5.33	5.32	µg/g	100.2	60	-	120	
Isopropyl Acetate	ND	<	200		1710	1620	µg/g	105.6	60	-	120	
Heptane	ND	<	200		1770	1770	µg/g	100.0	60	-	120	
1-Butanol	ND	<	500		1660	1600	µg/g	103.8	70	-	130	
Propyl Acetate	ND	<	500		1720	1600	µg/g	107.5	70	-	130	
1,4-Dioxane	ND	<	100		512	504	µg/g	101.6	60	-	120	
2-Ethoxyethanol	ND	<	30		171	181	µg/g	94.5	60	-	120	
Methylisobutylketone	ND	<	500		1590	1610	µg/g	98.8	70	-	130	
3-Methyl-1-butanol	ND	<	500		1600	1610	µg/g	99.4	70	-	130	
Ethylene Glycol	ND	<	200		467	494	µg/g	94.5	60	-	120	
Toluene	ND	<	100		508	491	µg/g	103.5	60	-	120	
Isobutyl Acetate	ND	<	500		1730	1600	µg/g	108.1	70	-	130	
1-Pentanol	ND	<	500		1630	1610	µg/g	101.2	70	-	130	
Butyl Acetate	ND	<	500		1530	1610	µg/g	95.0	70	-	130	
Ethylbenzene	ND	<	200		978	973	µg/g	100.5	60	-	120	
m,p-Xylene	ND	<	200		992	996	µg/g	99.6	60	-	120	
o-Xylene	ND	<	200		977	973	µg/g	100.4	60	-	120	
Cumene	ND	<	30		169	170	µg/g	99.4	60	-	120	
Anisole	ND	<	500		1630	1610	µg/g	101.2	70	-	130	
DMSO	ND	<	500		1660	1630	µg/g	101.8	70	-	130	
1,2-dimethoxyethane	ND	<	50		175	164	µg/g	106.7	70	-	130	
Triethylamine	ND	<	500		1470	1600	µg/g	91.9	70	-	130	
N,N-dimethylformamide	ND	<	150		484	497	µg/g	97.4	70	-	130	
N,N-dimethylacetamide	ND	<	150		486	498	µg/g	97.6	70	-	130	
Pyridine	ND	<	50		185	180	µg/g	102.8	70	-	130	
1,2-Dichloroethane	ND	<	1		0.927	1	µg/g	92.7	70	-	130	
Chloroform	ND	<	1		0.934	1	µg/g	93.4	70	-	130	
Trichloroethylene	ND	<	1		0.917	1	µg/g	91.7	70	-	130	

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QC - Sample Duplicate **Sample ID: 22-006093-0001**

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	
Ethyl Formate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Acetonitrile	ND	ND	100	µg/g	0.0	< 20	Acceptable	
Methyl Acetate	ND	ND	500	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	
MTBE	ND	ND	500	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	
1-Propanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Methylethylketone	ND	ND	500	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	
2-methyl-1-propanol	ND	ND	500	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-Butanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Propyl Acetate	ND	ND	500	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	
Methylisobutylketone	ND	ND	500	µg/g	0.0	< 20	Acceptable	
3-Methyl-1-butanol	ND	ND	500	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	
Isobutyl Acetate	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1-Pentanol	ND	ND	500	µg/g	0.0	< 20	Acceptable	
Butyl Acetate	ND	ND	500	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	
Anisole	ND	ND	500	µg/g	0.0	< 20	Acceptable	
DMSO	ND	ND	500	µg/g	0.0	< 20	Acceptable	
1,2-dimethoxyethane	ND	ND	50	µg/g	0.0	< 20	Acceptable	
Triethylamine	ND	ND	500	µg/g	0.0	< 20	Acceptable	
N,N-dimethylformamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
N,N-dimethylacetamide	ND	ND	150	µg/g	0.0	< 20	Acceptable	
Pyridine	ND	ND	50	µg/g	0.0	< 20	Acceptable	
1,2-Dichloroethane	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Chloroform	ND	ND	1	µg/g	0.0	< 20	Acceptable	
Trichloroethylene	ND	ND	1	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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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.