



Report Number: 22-001043/D003.R000

Report Date: 02/03/2022 ORELAP#: OR100028

Purchase Order:

Received: 01/27/22 16:45

Customer: IHC LLC

Product identity: 01FLT_012722_PP

Client/Metrc ID:

Laboratory ID: 22-001043-0010

Summary

Potency:

Analyte	Result (%)		
CBD-A	19.8	CBD-Total	17.5%
CBC-A [†]	3.23	• CBD-A	
CBG-A†	2.12	CBC-A THC-Total	0.661%
THC-A	0.754	obd-A	0.00176
CBD	0.132	THC-A CBD (Reported	in percent of total samp
CBDV-A [†]	0.112	• CBDV-A	
CBG [†]	0.102	CBG	

Terpenes:

Analyte	Percent	Percent	Analyte	Percent	Percent
•	by weight	of Total	·	by weight	of Total
farnesene†	0.178	19.45%	B-Caryophyllene†	0.170	18.58%
B-Myrcene†	0.154	16.83%	(R)-(+)-Limonene [†]	0.139	15.19%
(-)-Guaiol†	0.0673	7.36%	a-Bisabolol†	0.0574	6.27%
Humulene†	0.0514	5.62%	Linalool [†]	0.0481	5.26%
(-)-B-Pinene [†]	0.0272	2.97%	(+)-fenchol [†]	0.0224	2.45%
Total Terpenes [†]	0.915	100.00%			





Customer: IHC LLC

825 NW 16th Ave Portland Oregon 97209

United States of America (USA)

Product identity: 01FLT_012722_PP

Client/Metrc ID: .

Sample Date:

Laboratory ID: 22-001043-0010

Evidence of Cooling: No
Temp: 17.5 °C
Relinquished by: Client

Report Number: 22-001043/D003.R000

Report Date: 02/03/2022 **ORELAP#:** OR100028

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Received: 01/27/22 16:45



Sample Results

Potency	Method J AOAC	2015 V98-6 (mod)	Units %	Batch: 2200868	Analyze: 2/3/22 3:53:00 PM
Analyte	As Dry Received weigh	LOQ Notes			
CBC	< LOQ	0.0295			• CBD-A
CBC-A [†]	3.23	0.0295			• CBC-A
CBC-Total [†]	2.83	0.0553			• CBG-A
CBD	0.132	0.0295			O THC-A
CBD-A	19.8	0.295			• CBD
CBD-Total	17.5	0.288			O CBDV-A
CBDV [†]	< LOQ	0.0295			• CBG
CBDV-A†	0.112	0.0295			
CBDV-Total†	0.0971	0.0550			
CBE†	< LOQ	0.0295			
CBG [†]	0.102	0.0295			
CBG-A [†]	2.12	0.0295			
CBG-Total	1.96	0.0550			
CBL [†]	< LOQ	0.0295			
CBL-A [†]	< LOQ	0.0295			
CBL-Total†	< LOQ	0.0553			
CBN	< LOQ	0.0295			
CBT [†]	< LOQ	0.0295			
Δ8-THC [†]	< LOQ	0.0295			
Δ8-THCV	< LOQ	0.0295			
Δ9-THC	< LOQ	0.0295			
THC-A	0.754	0.0295			
THC-Total	0.661	0.0553			
THCV [†]	< LOQ	0.0295			
THCV-A [†]	< LOQ	0.0295			
THCV-Total [†]	< LOQ	0.0550			
Total Cannabinoids†	26.3				





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Terpenes	Method	I J AOAC	2015 V98-6	5	Units % Batch	2200960	Analy	ze 02/02/22	12:00 AM
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene†	0.178	0.019	19.454%		B-Caryophyllene†	0.170	0.019	18.579%	
ß-Myrcene†	0.154	0.019	16.831%		(R)-(+)-Limonene [†]	0.139	0.019	15.191%	
(-)-Guaiol†	0.0673	0.019	7.3552%		a-Bisabolol†	0.0574	0.019	6.2732%	
Humulene†	0.0514	0.019	5.6175%		Linalool†	0.0481	0.019	5.2568%	
(-)-ß-Pinene†	0.0272	0.019	2.9727%		(+)-fenchol [†]	0.0224	0.019	2.4481%	
a-pinene†	< LOQ	0.019	0.00%		(±)-trans-Nerolidol†	< LOQ	0.019	0.00%	
Terpinolene†	< LOQ	0.019	0.00%		(-)-a-Terpineol†	< LOQ	0.019	0.00%	
Geraniol†	< LOQ	0.019	0.00%		Menthol [†]	< LOQ	0.019	0.00%	
Sabinene hydrate†	< LOQ	0.019	0.00%		nerol†	< LOQ	0.019	0.00%	
a-Terpinene†	< LOQ	0.019	0.00%		(-)-caryophyllene oxic	le† < LOQ	0.019	0.00%	
Camphene†	< LOQ	0.019	0.00%		(+)-Borneol [†]	< LOQ	0.019	0.00%	
(±)-Camphor†	< LOQ	0.019	0.00%		(+)-Cedrol [†]	< LOQ	0.019	0.00%	
(+)-Pulegone†	< LOQ	0.019	0.00%		(±)-fenchone [†]	< LOQ	0.019	0.00%	
(-)-IsopulegoI [†]	< LOQ	0.019	0.00%		(±)-cis-NerolidoI [†]	< LOQ	0.019	0.00%	
a-cedrene†	< LOQ	0.019	0.00%		a-phellandrene†	< LOQ	0.019	0.00%	
cis-ß-Ocimene†	< LOQ	0.006	0.00%		d-3-Carene [†]	< LOQ	0.019	0.00%	
Eucalyptol [†]	< LOQ	0.019	0.00%		gamma-Terpinene†	< LOQ	0.019	0.00%	
Geranyl acetate†	< LOQ	0.019	0.00%		Isoborneol†	< LOQ	0.019	0.00%	
o-Cymene†	< LOQ	0.019	0.00%		Sabinene [†]	< LOQ	0.019	0.00%	
trans-ß-Ocimene†	< LOQ	0.013	0.00%		valencene†	< LOQ	0.019	0.00%	
Total Terpenes	0.915								
%									
farnesene	aryophyllene	8-Myrcene	. Timonene	(-)-Guaiol	a-Bisabolol			(-)-ß-Pinene	(+)-fenchol





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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

% = Percentage of sample % wt = μ g/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager





Report Number: 22-001043/D003.R000

Report Date: 02/03/2022

ORELAP#: OR100028

Purchase Order:

01/27/22 16:45 Received:



Hemp / Cannabis Usable / Extract / Finished Products Chain of Custody Record

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021 ORELAP ID: OR100028

				gern).		A	nalys	is Req	ueste	d				DC.	Number:		
Company: HHC Contact: Kyle Harook Street: 431 NW Flanders st. City: Portland State: Company Demail Results: dropbox Ph: (61) 608164 Fx Results: Billing (if different): beth@thehel	OF Zip: _	DF zip: 97209 ()npcollect.cor		esticide Multi-Residue – 379 compounds		olvents	doisture & Water Activity	S	Micro: Yeast and Mold	Vicro: E.Coli and Total Coliform Heavy Metals		Metals oxins		Projec Proj Custom R Report to Turnarour	PO Number: Project Number: Project Name: Custom Reporting: Report to State - METRC or Other: Turnaround time: 5 Business Day Standard Turnaround 3 Business Day Rush Turnaround* 2 Business Day Rush Turnaround* *Check for availability		
Lab ID Client Sample Identification	Date	Time	Pesticides	Pesticide	Potency	Residual Solvents	Moisture	Terpenes	Micro: Ye	Micro: E.0	Heavy Metals	Mycotoxins	Other:	Sample Type †	Weight (Units)	Comments/Metrc ID	
1 0103LIRVAP200_ST	1/27				X									E			
2 0103LIRVAP200_SG	1/27				X									E			
3 0103LIRVAP200_OG	1/27				х									E			
4 0103LIRVAP200_SP	1/27				x									E		1	
5 0103LIRVAP200_PB	1/27				Х			-						E		1	
6 01020506LIRVAP_PW	1/27				Х									E		1	
7 01020506LIRVAP_FV	1/27		1		Х									E			
8 0107LIRVAP200_OGK	1/27		1		Х	1000								E		-	
	1/27				X							-		E	C. P. S. A.		
10 01FLT_012722_PP	1/27	-	-		Х			Х						V			
Relinquished By:	Date	Time	I SKIN		Re	eceived	Bv		in High	Da	te	Tir	me			Lab Use Only:	
Kyle Farook	1/27	4:45				DS		9		1/27	1	1,325	45	Evidence Sample in	of cooling: good conditi	or □ €lient drop Yes □ Two - Temp (°C): 17. S * C OID>□ Two - Temp (°C): 17. S * C OID>□ Two - Temp (°C): 17. S * C	

†-Sample Type Codes: Vegetation (V); Isolates (S); Extract/Concentrate (C); Tincture/Topical (T); Edible (E); Beverage (B)

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 P: (503) 254-1794 | Fax: (503) 254-1452 Page ____of__ www.columbialaboratories.com Portland, OR 97230





Acceptable

115 Acceptable

Report Number: 22-001043/D003.R000

Report Date: 02/03/2022 ORELAP#: OR100028

Purchase Order:

Received: 01/27/22 16:45

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

		Labor	atory (Quality Co	ontrol Results		
JAOAC2015 V9	8-6			Bat	ch ID: 2200868		
Laboratory Cont	rol Sample						
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.0414	0.04	%	104	85.0 - 115	Acceptable	
CBDV	0.0404	0.04	%	101	85.0 - 115	Acceptable	
CBE	0.0412	0.04	%	103	85.0 - 115	Acceptable	
CBDA	0.0438	0.04	%	110	85.0 - 115	Acceptable	
CBGA	0.0409	0.04	%	102	85.0 - 115	Acceptable	
CBG	0.0409	0.04	%	102	85.0 - 115	Acceptable	
CBD	0.0431	0.04	%	108	85.0 - 115	Acceptable	
THCV	0.0410	0.04	%	102	85.0 - 115	Acceptable	
d8THCV	0.0399	0.04	%	99.7	85.0 - 115	Acceptable	
THCVA	0.0400	0.04	%	100	85.0 - 115	Acceptable	
CBN	0.0440	0.04	%	110	85.0 - 115	Acceptable	
exo-THC	0.0385	0.04	%	96.4	85.0 - 115	Acceptable	
d9THC	0.0427	0.04	%	107	85.0 - 115	Acceptable	
d8THC	0.0393	0.04	%	98.3	85.0 - 115	Acceptable	
CBL	0.0405	0.04	%	101	85.0 - 115	Acceptable	
CBC	0.0416	0.04	%	104	85.0 - 115	Acceptable	
THCA	0.0421	0.04	%	105	85.0 - 115	Acceptable	
CBCA	0.0415	0.04	%	104	85.0 - 115	Acceptable	
					1		

105

85.0

85.0

Method Blank

CBLA

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBDV	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBE	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBDA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBGA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBG	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBD	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
THCV	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
d8THCV	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
THCVA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBN	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
exo-THC	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
d9THC	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
d8THC	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBL	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBC	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
THCA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBCA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBLA	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	
CBT	<loq< td=""><td>0.03</td><td>%</td><td>< 0.03</td><td>Acceptable</td><td></td></loq<>	0.03	%	< 0.03	Acceptable	

Abbreviations

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

0.0418

0.0415

0.04

0.04

%

Units of Measure:

% - Percent





Report Number: 22-001043/D003.R000

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Purchase Order:

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

Laboratory Quality Control Results								
JAOAC2015	V98-6				Bato	th ID: 2200868		
Sample Duplic	æte				Samp	ole ID: 22-00090	0-0001	
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
CBDV	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
CBE	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
CBDA	0.0627	0.0627	0.03	%	0.00839	< 20	Acceptable	
CBGA	0.853	0.861	0.03	%	0.978	< 20	Acceptable	
CBG	0.118	0.118	0.03	%	0.764	< 20	Acceptable	
CBD	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
THCV	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
d8THCV	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
THCVA	0.120	0.121	0.03	%	1.17	< 20	Acceptable	
CBN	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
exo-THC	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
d9THC	0.271	0.274	0.03	%	1.25	< 20	Acceptable	
d8THC	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
CBL	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
CBC	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	
THCA	30.2	30.6	0.03	%	1.39	< 20	Acceptable	
CBCA	0.204	0.215	0.03	%	5.31	< 20	Acceptable	
CBLA	<loq< td=""><td><loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.03</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.03	%	NA	< 20	Acceptable	

NA

< 20

Acceptable

Abbreviations

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

<L0Q

0.03

<LOQ

Units of Measure:

% - Percent





Report Number: 22-001043/D003.R000

Report Date: 02/03/2022 ORELAP#: OR100028

Purchase Order:

Received: 01/27/22 16:45

Revision: 1 Document ID: 7086 Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Cortrol Results

Method Reference: E	PA5035				,	n nesuit		Batch	ID: 220096	0
Method Blank					Laborator	y Control	Sample			
Analyte	Result	LO	Q	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<loq< td=""><td><</td><td>200</td><td></td><td>363</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>	<	200		363	500	μg/g	73%	70 - 130	
Camphene	<loq< td=""><td><</td><td>200</td><td></td><td>374</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></loq<>	<	200		374	500	μg/g	75%	70 - 130	
Sabinene	<loq< td=""><td><</td><td>200</td><td></td><td>365</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>	<	200		365	500	μg/g	73%	70 - 130	
b-Pinene	<loq< td=""><td><</td><td>200</td><td></td><td>384</td><td>500</td><td>μg/g</td><td>77%</td><td>70 - 130</td><td></td></loq<>	<	200		384	500	μg/g	77%	70 - 130	
b-Myrcene	<loq< td=""><td><</td><td>200</td><td></td><td>363</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>	<	200		363	500	μg/g	73%	70 - 130	
a-phelllandrene	<loq< td=""><td><</td><td>200</td><td></td><td>355</td><td>500</td><td>μg/g</td><td>71%</td><td>70 - 130</td><td></td></loq<>	<	200		355	500	μg/g	71%	70 - 130	
d-3-Carene	<loq< td=""><td><</td><td>200</td><td></td><td>389</td><td>500</td><td>μg/g</td><td>78%</td><td>70 - 130</td><td></td></loq<>	<	200		389	500	μg/g	78%	70 - 130	
a-Terpinene	<loq< td=""><td><</td><td>200</td><td></td><td>373</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></loq<>	<	200		373	500	μg/g	75%	70 - 130	
p-Cymene	<loq< td=""><td><</td><td>200</td><td></td><td>357</td><td>500</td><td>μg/g</td><td>71%</td><td>70 - 130</td><td></td></loq<>	<	200		357	500	μg/g	71%	70 - 130	
D-Limonene	<loq< td=""><td><</td><td>200</td><td></td><td>374</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></loq<>	<	200		374	500	μg/g	75%	70 - 130	
Eucalyptol	<loq< td=""><td><</td><td>200</td><td></td><td>358</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></loq<>	<	200		358	500	μg/g	72%	70 - 130	
b-cis-Ocimene	<loq< td=""><td><</td><td>67</td><td></td><td>129</td><td>167</td><td>μg/g</td><td>78%</td><td>70 - 130</td><td></td></loq<>	<	67		129	167	μg/g	78%	70 - 130	
b-trans-Ocimene	<loq< td=""><td><</td><td>133</td><td></td><td>249</td><td>333</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></loq<>	<	133		249	333	μg/g	75%	70 - 130	
g-Terpinene	<loq< td=""><td><</td><td>200</td><td></td><td>411</td><td>500</td><td>μg/g</td><td>82%</td><td>70 - 130</td><td></td></loq<>	<	200		411	500	μg/g	82%	70 - 130	
Sabinene_Hydrate	<loq< td=""><td><</td><td>200</td><td></td><td>357</td><td>500</td><td>μg/g</td><td>71%</td><td>70 - 130</td><td></td></loq<>	<	200		357	500	μg/g	71%	70 - 130	
Terpinolene	<loq< td=""><td><</td><td>200</td><td></td><td>357</td><td>500</td><td>μg/g</td><td>71%</td><td>70 - 130</td><td></td></loq<>	<	200		357	500	μg/g	71%	70 - 130	
D-Fenchone	<loq< td=""><td><</td><td>200</td><td></td><td>366</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>	<	200		366	500	μg/g	73%	70 - 130	
Linalool	<loq< td=""><td><</td><td>200</td><td></td><td>359</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></loq<>	<	200		359	500	μg/g	72%	70 - 130	
Fenchol	<loq< td=""><td></td><td>200</td><td></td><td>362</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></loq<>		200		362	500	μg/g	72%	70 - 130	
Camphor	<loq< td=""><td><</td><td>200</td><td></td><td>363</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>	<	200		363	500	μg/g	73%	70 - 130	
Isopulego	<loq< td=""><td><</td><td>200</td><td></td><td>382</td><td>500</td><td>μg/g</td><td>76%</td><td>70 - 130</td><td></td></loq<>	<	200		382	500	μg/g	76%	70 - 130	
Isoborneol	<loq< td=""><td></td><td>200</td><td></td><td>374</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></loq<>		200		374	500	μg/g	75%	70 - 130	
Borneol	<loq< td=""><td><</td><td>200</td><td></td><td>365</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>	<	200		365	500	μg/g	73%	70 - 130	
DL-Menthol	<loq< td=""><td><</td><td>200</td><td></td><td>373</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></loq<>	<	200		373	500	μg/g	75%	70 - 130	
Terpineol	<loq< td=""><td></td><td>200</td><td></td><td>316</td><td>500</td><td>μg/g</td><td>63%</td><td>70 - 130</td><td>Q</td></loq<>		200		316	500	μg/g	63%	70 - 130	Q
Nerol	<loq< td=""><td><</td><td>200</td><td></td><td>352</td><td>500</td><td>μg/g</td><td>70%</td><td>70 - 130</td><td></td></loq<>	<	200		352	500	μg/g	70%	70 - 130	
Pulegone	<loq< td=""><td><</td><td>200</td><td></td><td>362</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></loq<>	<	200		362	500	μg/g	72%	70 - 130	
Gereniol	<loq< td=""><td><</td><td>200</td><td></td><td>352</td><td>500</td><td>μg/g</td><td>70%</td><td>70 - 130</td><td></td></loq<>	<	200		352	500	μg/g	70%	70 - 130	
Geranyl_Acetate	<loq< td=""><td></td><td>200</td><td></td><td>364</td><td>500</td><td>μg/g</td><td>73%</td><td>70 - 130</td><td></td></loq<>		200		364	500	μg/g	73%	70 - 130	
a-Cedrene	<loq< td=""><td><</td><td>200</td><td></td><td>381</td><td>500</td><td>μg/g</td><td>76%</td><td>70 - 130</td><td></td></loq<>	<	200		381	500	μg/g	76%	70 - 130	
b-Caryophyllene	<loq< td=""><td><</td><td>200</td><td></td><td>392</td><td>500</td><td>μg/g</td><td>78%</td><td>70 - 130</td><td></td></loq<>	<	200		392	500	μg/g	78%	70 - 130	
a-Humulene	<loq< td=""><td><</td><td>200</td><td></td><td>356</td><td>500</td><td>μg/g</td><td>71%</td><td>70 - 130</td><td></td></loq<>	<	200		356	500	μg/g	71%	70 - 130	
Valenene	<loq< td=""><td></td><td>200</td><td></td><td>384</td><td>500</td><td>μg/g</td><td>77%</td><td>70 - 130</td><td></td></loq<>		200		384	500	μg/g	77%	70 - 130	
cis-Nerolidol	<loq< td=""><td></td><td>200</td><td></td><td>380</td><td>500</td><td>μg/g</td><td>76%</td><td>70 - 130</td><td></td></loq<>		200		380	500	μg/g	76%	70 - 130	
a-Farnesene	<loq< td=""><td></td><td>200</td><td></td><td>396</td><td>500</td><td>μg/g</td><td>79%</td><td>70 - 130</td><td></td></loq<>		200		396	500	μg/g	79%	70 - 130	
trans-Nerolidol	<loq< td=""><td></td><td>200</td><td></td><td>361</td><td>500</td><td>μg/g</td><td>72%</td><td>70 - 130</td><td></td></loq<>		200		361	500	μg/g	72%	70 - 130	
Caryophyllene_Oxide	<loq< td=""><td></td><td>200</td><td></td><td>440</td><td>500</td><td>μg/g</td><td>88%</td><td>70 - 130</td><td></td></loq<>		200		440	500	μg/g	88%	70 - 130	
Guaiol	<loq< td=""><td></td><td>200</td><td></td><td>411</td><td>500</td><td>μg/g</td><td>82%</td><td>70 - 130</td><td></td></loq<>		200		411	500	μg/g	82%	70 - 130	
Cedrol	<loq< td=""><td><</td><td>200</td><td></td><td>408</td><td>500</td><td>μg/g</td><td>82%</td><td>70 - 130</td><td></td></loq<>	<	200		408	500	μg/g	82%	70 - 130	
a-Bisabolol	<loq< td=""><td><</td><td>200</td><td></td><td>405</td><td>500</td><td>μg/g</td><td>81%</td><td>70 - 130</td><td></td></loq<>	<	200		405	500	μg/g	81%	70 - 130	

LOQ Limit of Quantitation

LCS Laboratory Control Sample

% REC Percent Recovery

Matrix interference affecting spike or surrogate recoveries





22-001043/D003.R000 **Report Number:**

Report Date: 02/03/2022 ORELAP#: OR100028

Purchase Order:

01/27/22 16:45 Received:

Revision: 1 Document ID: 7086 Legacy ID: CFL-E57Worksheet Validated 11/04/2020

Terpenes Quality Control Pesults

Method Reference: EF		Batch ID: 2200960							
Sample/Sample Duplic					22-001043-0				
Analyte	Pesult	Org. Result	LOQ	Units	% RPD	LIMIT	Notes		
a-pinene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Camphene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Sabinene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
b-Pinene	256	272	197	μg/g	6%	< 20			
b-Myrcene	1510	1540	197	μg/g	2%	< 20			
a-phelllandrene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
d-3-Carene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
a-Terpinene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
p-Cymene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
D-Limonene	1380	1390	197	μg/g	1%	< 20			
Eucalyptol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
b-cis-Ocimene	<loq< td=""><td><loq< td=""><td>65.7</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>65.7</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	65.7	μg/g	0%	< 20			
b-trans-Ocimene	<loq< td=""><td><loq< td=""><td>131</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>131</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	131	μg/g	0%	< 20			
g-Terpinene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Sabinene Hydrate	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Terpinolene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
D-Fenchone	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Linalool	469	481	197	μg/g	3%	< 20			
Fenchol	215	224	197	μg/g	4%	< 20			
Camphor	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Isopulego	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Isoborneol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Borneol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
DL-Menthol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Terpineol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Nerol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Pulegone	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Gereniol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Geranyl Acetate	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
a-Cedrene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
b-Caryophyllene	1700	1700	197	μg/g	0%	< 20			
a-Humulene	508	514	197	μg/g	1%	< 20			
Valenene	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
cis-Nerolidol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
a-Farnesene	1780	1780	197	μg/g	0%	< 20			
trans-Nerolidol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Caryophyllene Oxide	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
Guaiol	674	673	197	μg/g	0%	< 20			
Cedrol	<loq< td=""><td><loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>197</td><td>μg/g</td><td>0%</td><td>< 20</td><td></td></loq<>	197	μg/g	0%	< 20			
a-Bisabolol	570	574	197	μg/g	1%	< 20			

Definitions

Relative Percent Difference





22-001043/D003.R000 **Report Number:**

Report Date: 02/03/2022 ORELAP#: OR100028

Purchase Order:

01/27/22 16:45 Received:

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.
В	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.