



**Report Number:** 20-006114/D03.R01

Report Date: 08/19/2020 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/15/20 12:40

This is an amended version of report# 20-006114/D03.R00.

Reason: Updated customer information.

**Customer:** Blissful Plant Product identity: **DREAM** 

Client/Metrc ID:

Laboratory ID: 20-006114-0004 Sample Date: 06/09/20

# **Summary**

# Potency:

Analyte per 1g	Result	Limits	Units	Status	CBD-Total per 1g	66.0 mg/1g
CBC per 1g	2.42		mg/1g			
CBC-A per 1g	0.0723		mg/1g		THC-Total per 1g	2.34 mg/1g
CBD per 1g	64.9		mg/1g			
CBD-A per 1g	1.29		mg/1g		(Reported in milli	grams per serving)
CBDV per 1g	0.395		mg/1g			
CBG per 1g	1.09		mg/1g			
CBL per 1g	0.0579		mg/1g			
CBN per 1g	2.54		mg/1g			
Δ9-THC per 1g	2.34		mg/1g			

## Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
a-Bisabolol†	0.0500	20.24%	ß-Caryophyllene⁺	0.0497	20.12%
(R)-(+)-Limonene <sup>†</sup>	0.0406	16.44%	(±)-trans-Nerolidol <sup>†</sup>	0.0395	15.99%
Geraniol <sup>†</sup>	0.0243	9.84%	Humulene <sup>†</sup>	0.0222	8.99%
Eucalyptol <sup>†</sup>	0.0206	8.34%	Total Terpenes <sup>†</sup>	0.247	100.00%





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**Customer:** Blissful Plant

**DREAM** Product identity:

Client/Metrc ID:

Sample Date: 06/09/20

Laboratory ID: 20-006114-0004

Relinquished by: **FEDEX** Temp: 20.3 °C

# **Sample Results**

Potency per 1g	<b>Method</b> J AOA	C 2015 V98-6 (mod)	Batch: 2005059		<b>Analyze:</b> 6/18/20 11:18:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 1g	2.42		mg/1g	0.0316	
CBC-A per 1g	0.0723		mg/1g	0.0316	
CBC-Total per 1g	2.48		mg/1g	0.0593	
CBD per 1g	64.9		mg/1g	0.316	
CBD-A per 1g	1.29		mg/1g	0.0316	
CBD-Total per 1g	66.0		mg/1g	0.344	
CBDV per 1g	0.395		mg/1g	0.0316	
CBDV-A per 1g	< LOQ		mg/1g	0.0316	
CBDV-Total per 1g	0.395		mg/1g	0.0590	
CBG per 1g	1.09		mg/1g	0.0316	
CBG-A per 1g	< LOQ		mg/1g	0.0316	
CBG-Total per 1g	1.09		mg/1g	0.0590	
CBL per 1g	0.0579		mg/1g	0.0316	
CBN per 1g	2.54		mg/1g	0.0316	
$\Delta 8$ -THC per 1g	< LOQ		mg/1g	0.0316	
Δ9-THC per 1g	2.34		mg/1g	0.0316	
THC-A per 1g	< LOQ		mg/1g	0.0316	
THC-Total per 1g	2.34		mg/1g	0.0593	
THCV per 1g	< LOQ		mg/1g	0.0316	
THCV-A per 1g	< LOQ		mg/1g	0.0316	
THCV-Total per 1g	< LOQ		mg/1g	0.0593	
Total Cannabinoids 1g <sup>†</sup>	75.1		mg/1g		





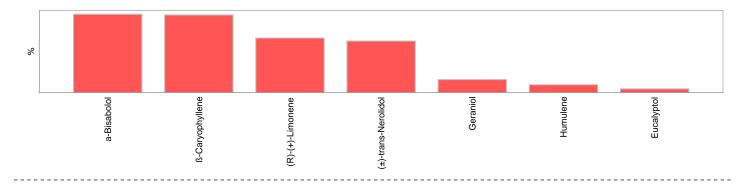
20-006114/D03.R01 **Report Number:** 

Report Date: 08/19/2020 ORELAP#: OR100028

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Received: 06/15/20 12:40

Terpenes	Method	J AOAC	2015 V98-6		Units % B	Batch 2005076	Analyz	<b>ce</b> 06/18/20 08:31 AM
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total Notes
a-Bisabolol†	0.0500	0.020	20.24%		ß-Caryophyllene	0.0497	0.020	20.12%
(R)-(+)-Limonene <sup>†</sup>	0.0406	0.020	16.44%		(±)-trans-Nerolid	ol† 0.0395	0.020	15.99%
Geraniol <sup>†</sup>	0.0243	0.020	9.84%		Humulene <sup>†</sup>	0.0222	0.020	8.99%
Eucalyptol <sup>†</sup>	0.0206	0.020	8.34%		(-)-a-Terpineol <sup>†</sup>	< LOQ	0.020	0.00%
(-)-caryophyllene oxide <sup>+</sup>	< LOQ	0.020	0.00%		(-)-GuaioI <sup>†</sup>	< LOQ	0.020	0.00%
(-)-IsopulegoI <sup>†</sup>	< LOQ	0.020	0.00%		(-)-ß-Pinene <sup>+</sup>	< LOQ	0.020	0.00%
(+)-Borneol <sup>†</sup>	< LOQ	0.020	0.00%		(+)-Cedrol <sup>†</sup>	< LOQ	0.020	0.00%
(+)-fenchol <sup>†</sup>	< LOQ	0.020	0.00%		(+)-Pulegone <sup>†</sup>	< LOQ	0.020	0.00%
(±)-Camphor <sup>†</sup>	< LOQ	0.020	0.00%		(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.020	0.00%
±)-fenchone <sup>†</sup>	< LOQ	0.020	0.00%		a-cedrene <sup>†</sup>	< LOQ	0.020	0.00%
a-phellandrene†	< LOQ	0.020	0.00%		a-pinene†	< LOQ	0.020	0.00%
a-Terpinene†	< LOQ	0.020	0.00%		Camphene <sup>†</sup>	< LOQ	0.020	0.00%
cis-ß-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%		d-3-Carene <sup>†</sup>	< LOQ	0.020	0.00%
arnesene <sup>†</sup>	< LOQ	0.020	0.00%		gamma-Terpiner	ne <sup>†</sup> < LOQ	0.020	0.00%
Geranyl acetate <sup>†</sup>	< LOQ	0.020	0.00%		Isoborneol†	< LOQ	0.020	0.00%
Linalool <sup>†</sup>	< LOQ	0.020	0.00%		Menthol <sup>†</sup>	< LOQ	0.020	0.00%
nerol†	< LOQ	0.020	0.00%		p-Cymene <sup>†</sup>	< LOQ	0.020	0.00%
Sabinene <sup>†</sup>	< LOQ	0.020	0.00%		Sabinene hydrate	e <sup>†</sup> < LOQ	0.020	0.00%
3-Myrcene <sup>†</sup>	< LOQ	0.020	0.00%		Terpinolene <sup>†</sup>	< LOQ	0.020	0.00%
trans-ß-Ocimene†	< LOQ	0.013	0.00%		valencene <sup>†</sup>	< LOQ	0.020	0.00%
Total Terpenes	0.247							







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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

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

g = Grammg/1g = Milligram per 1g % = Percentage of sample % wt =  $\mu$ g/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager





**Report Number:** 20-006114/D03.R01

**Report Date:** 08/19/2020 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/15/20 12:40

20-606114



# **Hemp Products Chain of Custody Record**

Revision: 0.00 Control#: CF002 Rev: 02/27/2020 Eff: 02/27/2020 ORELAP ID: OR100028

	ENAMEDI: C. I. Diame	4	La Constant			Ana	lysis Req	uested		279			O Number:		
Company: EM/ Blissful Plant Contact: Four Fran Tellizza Street: 1775 W. State St. # 387 City: Boise State: ID zip: 83702  Email Results: Four Fragani Now 1 1995 Ph: (208 914 1015) Fx Results: ()		2 (18 2	EPPENES							Proje Pro Custon Report Tur	ect Number: oject Name: n Reporting: to State - \[ \] M	ETRC or  Oth Standard I	ul Plant  ner:  Rush * □ Priority Rush *		
Lab	Client Sample Identification	Date	Spen	恒							Chicago	Sample Type †	Report units (potency)	Serving size (edibles)	Comments/Metrc ID
	RELAX	6/9/20	1	V								1	MG/G		
	IMMUNE	6/9/20	V	V								T	11		
	RELIEF	9/2/20	1	/	V							1	"		
	DREAM	6/9/20	V	V					1			T	"		
														Lab Use (	Only
(0	6	Para Time		2	Recei	ved by:			Oate	Time	e e	Sample  Cash	ce of cooling: in good condit	] yes	or □ Client drop off Temp (°C): No

 $\label{eq:codes:topicals} $\dot{\tau}$ - \underline{Sample type codes:}$ Topicals (L) ; Edibles (E) ; Tincture (T) ; Bath Salts (S); Beverages (B) $$$ Report unit options: %; mg/g; mg/serving

Samples submitted to CL with testing require	ements constitute an agreement for services in accordance with the current terms of service associated with this COC. By signing "Relia	nquished by" you are agreeing to these terms.
22423 NE Whitaker Way Portland, OR 97230	P: (503) 254-1794   Fax: (503) 254-1452 info@columbialaboratories.com	Page 1 of 1 www.columbialaboratories.cou

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20-006114/D03.R01 **Report Number:** 

**Report Date:** 08/19/2020

ORELAP#: OR100028

**Purchase Order:** 

Received: 06/15/20 12:40

Columbia LASORATORIES EATERDISCHE	Columbia Laboratories Sample Receipt Form	Revision: 1.01 Document Control: CF015 Revised: 02/28/2020 Effective: 02/28/2020
Job Number: 20 COMP	Search Name:	ime: 1240
Received By (Initials):		
Were custody seals on outside of the pack If YES, how many and where?	age/cooler?	YES NO NA
Were signature and date correct?		YES NO NA
2) Were custody papers included in the packs	ge/cooler?	YES NO NA
3) Were custody papers properly filled out (in	nk, sign, date)?	YES NO NA
4) Did you sign custody papers in the approp	riate 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):	Stille +.
6) Was packing material used?		YES NO NA
Peanuts Bubble Wrap Foam Pag	per Other:	
7) Was sufficient ice used (if appropriate)? What kind?		YES NO NA
Blue Ice Ice Cooler Pack	s Dry Ice	
8) Were all sample containers sealed in sept	erate plastic bags?	YES NO NA
9) Did all sample containers arrive in good	condition?	VES NO NA
10) Were all sample container labels comple	te?	YES NO NA
11) Did all sample container labels and tags	agree with the coc?	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 WA
14) Was a sufficient amount of sample sent	in each sample container?	KES NO NA
15) Temperature of the samples upon receip		20-7c
16) Sample location prior to login: R25	39 R44 F44 Ambient Shelt	f Cannabis Table Other:
Explain any discrepancies:		
)		·
Page of		i l

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**Report Number:** 

20-006114/D03.R01

**Report Date:** 

08/19/2020

ORELAP#:

OR100028

**Purchase Order:** 

(800) 732-0472

BILL SENDER

06/15/20 12:40 Received:



After printing this label

Use the 'Print' button on this page to print your label to your laser or inkjet printer.
 Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: IMPORTANT: TRANSMIT YOUR SHIPPING DATA AND PRINT A MANIFEST:

warming: IMPORTAIN: TRANSMIT FOUR SHIPPING DATA AND PRINT A WANTEST.

At the end of each shipping day, you should perform the FedEx Ground End of Day Close procedure to transmit your shipping data to FedEx. To do so, click on the Ground End of Day Close Button. If required, print the pickup manifest that appears. A printed manifest is required to be tendered along with your packages if they are being picked up by FedEx Ground. If you are dropping your packages off at a FedEx drop off location, the manifest is not required.

manifest is not required.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide and applicable tariff, available upon request. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations, including limitations on our liability, can be found in the current FedEx Service Guide and applicable tariff apply. In no event shall FedEx Ground be liable for any special, incidental, or consequential damages, including, without limitation, loss of profit, loss to the intrinsic value of the package, loss of sale, interest income or attorney's fees. Recovery cannot exceed actual documented loss. Items of extraordinary value are subject to separate limitations of liability set forth in the Service Guide and tariff. Written claims must be filed within strict time limits, see current FedEx Service Guide.





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**Report Date:** 08/19/2020 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/15/20 12:40

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

#### Laboratory Quality Control Results

JAOAC2015	V986				ch ID: 2005059		
Laboratory Co	ntrol Sample						
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDV-A	0.00970	0.01	%	97.0	85.0 - 115	Acceptable	
CBDV	0.00992	0.01	%	99.2	85.0 - 115	Acceptable	
CBD-A	0.00962	0.01	%	96.2	85.0 - 115	Acceptable	
CBG-A	0.00966	0.01	%	96.6	85.0 - 115	Acceptable	
CBG	0.00970	0.01	%	97.0	85.0 - 115	Acceptable	
CBD	0.00915	0.01	%	91.5	85.0 - 115	Acceptable	
THCV	0.00932	0.01	%	93.2	85.0 - 115	Acceptable	
THCVA	0.00957	0.01	%	95.7	85.0 - 115	Acceptable	
CBN	0.00949	0.01	%	94.9	85.0 - 115	Acceptable	
THC	0.00970	0.01	%	97.0	85.0 - 115	Acceptable	
D8THC	0.00935	0.01	%	93.5	85.0 - 115	Acceptable	
CBL	0.00989	0.01	%	98.9	85.0 - 115	Acceptable	
CBC	0.00972	0.01	%	97.2	85.0 - 115	Acceptable	
THCA	0.00928	0.01	%	92.8	85.0 - 115	Acceptable	
CBCA	0.00964	0.01	%	96.4	85.0 - 115	Acceptable	

### Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDV-A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBDV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBD-A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG-A	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBD	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCV	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCVA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBN	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
D8THC	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CB.	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
THCA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBCA	<loq< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	

## Abbreviations

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

Units of Measure

%- Percent





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**Report Date:** 08/19/2020 ORELAP#: OR100028

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Received: 06/15/20 12:40

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

### Laboratory Quality Control Results

JAOAC2015 V	986				Bato	ch ID: 2005059	9		
Sample Duplica	te			Sample ID: 20-005977-0001					
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes	
CBDV-A	<l0q< td=""><td>4.0Q</td><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<>	4.0Q	0.003	%	NA	< 20	Acceptable		
CBDV	0.0341	0.0334	0.003	%	2.24	< 20	Acceptable		
CBD-A	<l0q< td=""><td>4.00</td><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<>	4.00	0.003	%	NA	< 20	Acceptable		
CBG-A	<l0q< td=""><td>4.00</td><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<>	4.00	0.003	%	NA	< 20	Acceptable		
CBG	0.0294	0.0288	0.003	%	2.17	< 20	Acceptable		
CBD	2.20	2.16	0.003	%	1.47	< 20	Acceptable		
THCV	<100	4.00	0.003	%	NA	< 20	Acceptable		
THCVA	<1.00	4.00	0.003	%	NA	< 20	Acceptable		
CBN	0.00490	0.00493	0.003	%	0.504	< 20	Acceptable		
THC	0.0830	0.0816	0.003	%	1.73	< 20	Acceptable		
D8THC	0.00321	0.00339	0.003	%	5.47	< 20	Acceptable		
CBL	0.00886	0.00891	0.003	%	0.538	< 20	Acceptable		
CBC	<l0q< td=""><td>4.0Q</td><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<>	4.0Q	0.003	%	NA	< 20	Acceptable		
THCA	<l0q< td=""><td>4.0Q</td><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></l0q<>	4.0Q	0.003	%	NA	< 20	Acceptable		
CBCA	<loq< td=""><td>4.00</td><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	4.00	0.003	%	NA	< 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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**Report Date:** 08/19/2020 ORELAP#: OR100028

**Purchase Order:** 

06/15/20 12:40 Received:

#### Terpenes Quality Control Results

Method Reference: E	DA 5035	Тары	C3 Qua	iity Wiiti	OI I COU	ıs	Batch	D: 200507	2
Method Blank	1 A 3003			Laborato	a Control	Comple		11D. 200307	J
	Result	Blank	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
Analyte a-pinene	<loq< td=""><td>&lt; 200</td><td>Notes</td><td>440</td><td>500</td><td></td><td>88</td><td>70 - 130</td><td>Notes</td></loq<>	< 200	Notes	440	500		88	70 - 130	Notes
Camphene	<loq< td=""><td>&lt; 200</td><td></td><td>440</td><td>500</td><td>μg/g</td><td>91</td><td>70 - 130</td><td></td></loq<>	< 200		440	500	μg/g	91	70 - 130	
Sabinene	<loq< td=""><td>&lt; 200</td><td></td><td>442</td><td>500</td><td>μg/g</td><td>88</td><td></td><td></td></loq<>	< 200		442	500	μg/g	88		
b-Pinene	<l0q< td=""><td>&lt; 200</td><td></td><td>442</td><td>500</td><td>μg/g</td><td>88</td><td>70 - 130 70 - 130</td><td></td></l0q<>	< 200		442	500	μg/g	88	70 - 130 70 - 130	
b-Myrcene	<loq< td=""><td>&lt; 200</td><td></td><td>367</td><td>500</td><td>μg/g</td><td>73</td><td></td><td></td></loq<>	< 200		367	500	μg/g	73		
						μg/g	96		
a-phelllandrene	<l0q< td=""><td>&lt; 200</td><td></td><td>482</td><td>500 500</td><td>μg/g</td><td>85.2</td><td></td><td></td></l0q<>	< 200		482	500 500	μg/g	85.2		
d-3-Carene	<100 <100	< 200 < 200		426 394	500	μg/g	85.2 79		
a-Terpinene						μg/g		70 - 130	
p-Cymene	<l0q< td=""><td>&lt; 200</td><td></td><td>370</td><td>500</td><td>μg/g</td><td>74</td><td>70 - 130</td><td></td></l0q<>	< 200		370	500	μg/g	74	70 - 130	
D-Limonene	<l0q< td=""><td>&lt; 200</td><td></td><td>400</td><td>500</td><td>μg/g</td><td>80</td><td>70 - 130</td><td></td></l0q<>	< 200		400	500	μg/g	80	70 - 130	
Eucalyptol	<100	< 200		462	500	μg/g	92	70 - 130	
b-cis-Ocimene	<l0q< td=""><td>&lt; 66.7</td><td></td><td>124</td><td>167</td><td>μg/g</td><td>74.2</td><td>70 - 130</td><td></td></l0q<>	< 66.7		124	167	μg/g	74.2	70 - 130	
b-trans-Ocimene	<loq< td=""><td>&lt; 133</td><td></td><td>237</td><td>333</td><td>μg/g</td><td>71.0</td><td>70 - 130</td><td></td></loq<>	< 133		237	333	μg/g	71.0	70 - 130	
g-Terpinene	<loq< td=""><td>&lt; 200</td><td></td><td>438</td><td>500</td><td>μg/g</td><td>88</td><td>70 - 130</td><td></td></loq<>	< 200		438	500	μg/g	88	70 - 130	
Sabinene_Hydrate	<loq< td=""><td>&lt; 200</td><td></td><td>427</td><td>500</td><td>μg/g</td><td>85</td><td>70 - 130</td><td></td></loq<>	< 200		427	500	μg/g	85	70 - 130	
Terpinolene	<100	< 200		431	500	μg/g	86	70 - 130	
D-Fenchone	<l0q< td=""><td>&lt; 200</td><td></td><td>439</td><td>500</td><td>μg/g</td><td>88</td><td>70 - 130</td><td></td></l0q<>	< 200		439	500	μg/g	88	70 - 130	
Linalool	<l0q< td=""><td>&lt; 200</td><td></td><td>405</td><td>500</td><td>μg/g</td><td>81</td><td>70 - 130</td><td></td></l0q<>	< 200		405	500	μg/g	81	70 - 130	
Fenchol	<loq< td=""><td>&lt; 200</td><td></td><td>467</td><td>500</td><td>μg/g</td><td>93</td><td>70 - 130</td><td></td></loq<>	< 200		467	500	μg/g	93	70 - 130	
Camphor	<l0q< td=""><td>&lt; 200</td><td></td><td>451</td><td>500</td><td>μg/g</td><td>90</td><td>70 - 130</td><td></td></l0q<>	< 200		451	500	μg/g	90	70 - 130	
Isopulego	<loq< td=""><td>&lt; 200</td><td></td><td>418</td><td>500</td><td>μg/g</td><td>84</td><td>70 - 130</td><td></td></loq<>	< 200		418	500	μg/g	84	70 - 130	
Isoborneol	<loq< td=""><td>&lt; 200</td><td></td><td>463</td><td>500</td><td>μg/g</td><td>93</td><td>70 - 130</td><td></td></loq<>	< 200		463	500	μg/g	93	70 - 130	
Borneol	<l0q< td=""><td>&lt; 200</td><td></td><td>484</td><td>500</td><td>μg/g</td><td>97</td><td>70 - 130</td><td></td></l0q<>	< 200		484	500	μg/g	97	70 - 130	
DL-Menthol	<loq< td=""><td>&lt; 200</td><td></td><td>451</td><td>500</td><td>μg/g</td><td>90</td><td>70 - 130</td><td></td></loq<>	< 200		451	500	μg/g	90	70 - 130	
Terpineol	<loq< td=""><td>&lt; 200</td><td></td><td>423</td><td>500</td><td>μg/g</td><td>85</td><td>70 - 130</td><td></td></loq<>	< 200		423	500	μg/g	85	70 - 130	
Nerol	<loq< td=""><td>&lt; 200</td><td></td><td>379</td><td>500</td><td>μg/g</td><td>76</td><td>70 - 130</td><td></td></loq<>	< 200		379	500	μg/g	76	70 - 130	
Pulegone	<loq< td=""><td>&lt; 200</td><td></td><td>418</td><td>500</td><td>μg/g</td><td>84</td><td>70 - 130</td><td></td></loq<>	< 200		418	500	μg/g	84	70 - 130	
Gereniol	<loq< td=""><td>&lt; 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	
Geranyl_Acetate	<loq< td=""><td>&lt; 200</td><td></td><td>436</td><td>500</td><td>μg/g</td><td>87</td><td>70 - 130</td><td></td></loq<>	< 200		436	500	μg/g	87	70 - 130	
a-Cedrene	<loq< td=""><td>&lt; 200</td><td></td><td>524</td><td>500</td><td>μg/g</td><td>105</td><td>70 - 130</td><td></td></loq<>	< 200		524	500	μg/g	105	70 - 130	
b-Caryophyllene	<loq< td=""><td>&lt; 200</td><td></td><td>481</td><td>500</td><td>μg/g</td><td>96</td><td>70 - 130</td><td></td></loq<>	< 200		481	500	μg/g	96	70 - 130	
a-Humulene	<loq< td=""><td>&lt; 200</td><td></td><td>507</td><td>500</td><td>μg/g</td><td>101</td><td>70 - 130</td><td></td></loq<>	< 200		507	500	μg/g	101	70 - 130	
Valenene	<loq< td=""><td>&lt; 200</td><td></td><td>508</td><td>500</td><td>μg/g</td><td>102</td><td>70 - 130</td><td></td></loq<>	< 200		508	500	μg/g	102	70 - 130	
cis-Nerolidol	<l0q< td=""><td>&lt; 200</td><td></td><td>449</td><td>500</td><td>μg/g</td><td>90</td><td>70 - 130</td><td></td></l0q<>	< 200		449	500	μg/g	90	70 - 130	
a-Farnesene	<loq< td=""><td>&lt; 200</td><td></td><td>594</td><td>500</td><td>μg/g</td><td>119</td><td>70 - 130</td><td></td></loq<>	< 200		594	500	μg/g	119	70 - 130	
trans-Nerolidol	<loq< td=""><td>&lt; 200</td><td></td><td>455</td><td>500</td><td>μg/g</td><td>91</td><td>70 - 130</td><td></td></loq<>	< 200		455	500	μg/g	91	70 - 130	
Caryophyllene_Oxide	<loq< td=""><td>&lt; 200</td><td></td><td>543</td><td>500</td><td>μg/g</td><td>109</td><td>70 - 130</td><td></td></loq<>	< 200		543	500	μg/g	109	70 - 130	
Guaiol	<loq< td=""><td>&lt; 200</td><td></td><td>491</td><td>500</td><td>μg/g</td><td>98</td><td>70 - 130</td><td></td></loq<>	< 200		491	500	μg/g	98	70 - 130	
Cedrol	<loq< td=""><td>&lt; 200</td><td></td><td>481</td><td>500</td><td>μg/g</td><td>96</td><td>70 - 130</td><td></td></loq<>	< 200		481	500	μg/g	96	70 - 130	
a-Bisabolol	<loq< td=""><td>&lt; 200</td><td></td><td>473</td><td>500</td><td>μg/g</td><td>95</td><td>70 - 130</td><td></td></loq<>	< 200		473	500	μg/g	95	70 - 130	





**Report Number:** 20-006114/D03.R01

**Report Date:** 08/19/2020 ORELAP#: OR100028

**Purchase Order:** 

06/15/20 12:40 Received:

#### Terpenes Quality Control Results

Method Reference: E	PA 5035	rerpenes Quality C	Diffici Nesui	ıs	Ratch	n ID: 200507	6
Sample/Sample Dupl		:	San	nnle ID:	20-005858-0		0
Analyte	Result	Org. Result	LQQ	Units	RPD %	LIMIT,%	Notes
a-pinene	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td>110163</td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td>110163</td></loq<>	200	μg/g	0.0	< 20	110163
Camphene	<u>√LOQ</u>	<loq< td=""><td>200</td><td>μg/g μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g μg/g	0.0	< 20	
Sabinene	<0Q	<l0q< td=""><td>200</td><td>μg/g μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></l0q<>	200	μg/g μg/g	0.0	< 20	
b-Pinene	<0Q	<l0q< td=""><td>200</td><td>μg/g μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></l0q<>	200	μg/g μg/g	0.0	< 20	
b-Myrcene	<0Q	<l0q< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></l0q<>	200	μg/g	0.0	< 20	
a-phelllandrene	4L0Q	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
d-3-Carene	√LOQ	√LOQ	200	μg/g	0.0	< 20	
a-Terpinene	√LOQ	√LOQ	200	μg/g	0.0	< 20	
p-Cymene	√LOQ	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
D-Limonene	₹100	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Eucalyptol	√LOQ	√LOQ	200	μg/g	0.0	< 20	
b-cis-Ocimene	√LOQ	√LOQ	66.7	μg/g	0.0	< 20	
b-trans-Ocimene	₹ <u>00</u> 0	₹ <u>00</u> 0	133	μg/g	0.0	< 20	
g-Terpinene	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Sabinene_Hydrate	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Terpinolene	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
D-Fenchone	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Linalool	∠LOQ	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Fenchol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Camphor	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Isopulego	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Isoborneol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Borneol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
DL-Menthol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Terpineol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Nerol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Pulegone	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Gereniol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Geranyl_Acetate	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
a-Cedrene	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
b-Caryophyllene	1080	1080	200	μg/g	0.0	< 20	
a-Humulene	446	458	200	μg/g	2.65	< 20	
Valenene	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
cis-Nerolidol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
a-Farnesene	1100	1150	200	μg/g	4.44	< 20	
trans-Nerolidol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
Caryophyllene_Oxide	357	353	200	μg/g	1.13	< 20	
Guaiol	306	308	200	μg/g	0.65	< 20	
Cedrol	<loq< td=""><td><loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<></td></loq<>	<loq< td=""><td>200</td><td>μg/g</td><td>0.0</td><td>&lt; 20</td><td></td></loq<>	200	μg/g	0.0	< 20	
a-Bisabolol	845	851	200	μg/g	0.71	< 20	





**Report Number:** 20-006114/D03.R01

Report Date: 08/19/2020 ORELAP#: OR100028

**Purchase Order:** 

Received: 06/15/20 12:40

## 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.