



**Report Number:** 21-010090/D001.R000

Report Date: 09/13/2021 ORELAP#: OR100028

**Purchase Order:** 

Received: 08/31/21 10:19

Nirvana CBD **Customer:** Product identity: **Body Lotion** 

Client/Metrc ID:

21-010090-0001 **Laboratory ID:** 

## **Summary**

# Potency:

Analyte	Result (%)	
CBD	0.730	CBD-Total 0.730%
CBE <sup>†</sup>	0.00653	CBD
CBN	0.00528	• CBE THC-Total <loq< td=""></loq<>
CBT <sup>†</sup>	0.00505	• CBN
CBG <sup>†</sup>	0.00435	(Reported in percent of total sample)
CBC	0.00418	• CBG
		• CBC

### **Terpenes:**

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
Menthol <sup>†</sup>	0.153	100.00%	Total Terpenes <sup>†</sup>	0.153	100.00%





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**Purchase Order:** 

**Received:** 08/31/21 10:19

Customer: Nirvana CBD

Product identity: Body Lotion

Client/Metrc ID: .

Sample Date:

**Laboratory ID:** 21-010090-0001

Evidence of Cooling: No
Temp: 21.6 °C
Relinquished by: USPS

# **Sample Results**

Potency	Method .	AOAC 2015 V98	3-6 (mod)	Units %	Batch: 2107886	<b>Analyze:</b> 9/1/21	9:05:00 PM
Analyte	As	Dry LOQ	Notes				
	Received	weight					
CBC	0.00418	0.0031					
CBC-A <sup>†</sup>	< LOQ	0.0031					• CBD
CBC-Total <sup>†</sup>	< LOQ	0.0059					CBE CBN
CBD	0.730	0.0031				1	O CBT
CBD-A	< LOQ	0.0031					• CBG
CBD-Total	0.730	0.0059					<ul><li>CBC</li></ul>
CBDV <sup>†</sup>	< LOQ	0.0031					
CBDV-A <sup>†</sup>	< LOQ	0.0031					
CBDV-Total <sup>†</sup>	< LOQ	0.0058					
CBE <sup>†</sup>	0.00653	0.0031					
CBG <sup>†</sup>	0.00435	0.0031					
CBG-A <sup>†</sup>	< LOQ	0.0031					
CBG-Total	< LOQ	0.0058					
CBL <sup>†</sup>	< LOQ	0.0031					
CBL-A <sup>†</sup>	< LOQ	0.0031					
CBL-Total <sup>†</sup>	< LOQ	0.0059					
CBN	0.00528	0.0031					
CBT <sup>†</sup>	0.00505	0.0031					
$\Delta 8\text{-THC}^{\dagger}$	< LOQ	0.0031					
$\Delta 8$ -THCV	< LOQ	0.0031					
Δ9-THC	< LOQ	0.0031					
THC-A	< LOQ	0.0031					
THC-Total	< LOQ	0.0059					
THCV <sup>†</sup>	< LOQ	0.0031					
THCV-A <sup>†</sup>	< LOQ	0.0031					
THCV-Total <sup>†</sup>	< LOQ	0.0058					
Total Cannabinoids	0.755						





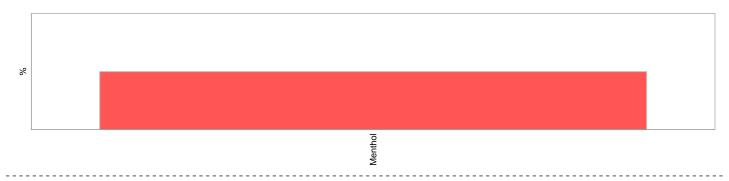
21-010090/D001.R000 **Report Number:** 

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Terpenes	Method	J AOAC	2015 V98-6		Units %	Batch 21	107896	Analyz	<b>e</b> 09/02/21	02:53 AM
Analyte	Result	LOQ	% of Total	Notes	Analyte		Result	LOQ	% of Total	Notes
Menthol <sup>†</sup>	0.153	0.018	100.000%		(R)-(+)-Limon	ene†	< LOQ	0.018	0.00%	
Geraniol <sup>†</sup>	< LOQ	0.018	0.00%		Geranyl acetat	te†	< LOQ	0.018	0.00%	
p-Cymene <sup>†</sup>	< LOQ	0.018	0.00%		a-Terpinene⁺		< LOQ	0.018	0.00%	
ß-Myrcene <sup>†</sup>	< LOQ	0.018	0.00%		(-)-a-Terpineo	<b>I</b> †	< LOQ	0.018	0.00%	
Eucalyptol <sup>†</sup>	< LOQ	0.018	0.00%		Terpinolene <sup>†</sup>		< LOQ	0.018	0.00%	
Sabinene <sup>†</sup>	< LOQ	0.018	0.00%		farnesene <sup>†</sup>		< LOQ	0.018	0.00%	
Linalool <sup>†</sup>	< LOQ	0.018	0.00%		trans-ß-Ocime	ne⁺	< LOQ	0.012	0.00%	
gamma-Terpinene <sup>†</sup>	< LOQ	0.018	0.00%		(+)-Pulegone <sup>†</sup>		< LOQ	0.018	0.00%	
Sabinene hydrate <sup>†</sup>	< LOQ	0.018	0.00%		(-)-ß-Pinene⁺		< LOQ	0.018	0.00%	
a-pinene†	< LOQ	0.018	0.00%		(+)-fenchol <sup>†</sup>		< LOQ	0.018	0.00%	
(±)-Camphor <sup>†</sup>	< LOQ	0.018	0.00%		(±)-fenchone <sup>†</sup>		< LOQ	0.018	0.00%	
(-)-caryophyllene oxide <sup>†</sup>	< LOQ	0.018	0.00%		(-)-GuaioI⁺		< LOQ	0.018	0.00%	
(-)-IsopulegoI <sup>†</sup>	< LOQ	0.018	0.00%		(+)-Borneol <sup>†</sup>		< LOQ	0.018	0.00%	
(+)-Cedrol <sup>†</sup>	< LOQ	0.018	0.00%		(±)-cis-Nerolid	ol⁺	< LOQ	0.018	0.00%	
(±)-trans-Nerolidol†	< LOQ	0.018	0.00%		a-Bisabolol⁺		< LOQ	0.018	0.00%	
a-cedrene†	< LOQ	0.018	0.00%		a-phellandrene	e <sup>†</sup>	< LOQ	0.018	0.00%	
Camphene <sup>†</sup>	< LOQ	0.018	0.00%		cis-ß-Ocimene	ļ†	< LOQ	0.006	0.00%	
d-3-Carene <sup>†</sup>	< LOQ	0.018	0.00%		Humulene <sup>†</sup>		< LOQ	0.018	0.00%	
IsoborneoI <sup>†</sup>	< LOQ	0.018	0.00%		nerol†		< LOQ	0.018	0.00%	
ß-Caryophyllene⁺	< LOQ	0.018	0.00%		valencene <sup>†</sup>		< LOQ	0.018	0.00%	
Total Terpenes	0.153									







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### **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

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

Approved Signatory

Derrick Tanner General Manager





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PIXIS Labs

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

### Cannabis Chain of Custody Record

ORELAP ID: OR100028 Company:\_\_Nirvana CBD Analysis Requested Purchase Order Number: Project Number: Contact: Patrick Mulcahy Project Name: Residual Solvents Address: 11258 Monarch St, STE N, Garden Grove, CA 92841 ☐ Report Instructions: Water Activity ☐ Send to State - METRC Microbiology Email: patrick@nirvanacbd.com Email Final Results: Terpenes Potency Phone: 714-823-3750 ☐ Fax Final Results Metals Cash/Check/CC/Net 30 Processor's License: Other: Field ID Matrix Weight Comments Cont #'s 8/26/21 .35 lbs **Body Lotion** Collected By: Relinquished By: Date Time Date Received By: Time Labs Use Only: Standard 5 day 1019 Client Alias: Rush (1.5 x Standard) Order Number: \_ ☐ Priority Rush (2 x Standard) □ Proper Container ☐ Sample Condition Ask About Availability ■ Temperature Shipped Via: USPS

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: 1.01 Control#: CF001 Effective date: 09/21/2016

www.pixislabs.com

Page 1 of 2

Evidence of cooling: Yes No





Columbia Laboratories

Sample Receipt Form

**Report Number:** 21-010090/D001.R000

09/13/2021 Report Date: ORELAP#: OR100028

**Purchase Order:** 

Revision: 2.00 Document Control: CF015 Revised: 01/11/2021 Effective: 03/15/2021

Received: 08/31/21 10:19

Job Number: Search Name:		
5 k1	leso	
Package/Cooler opened on (if different than received date/time) Date:	Time: 1019	
Received By (Initials): Logged in by (Initials): Date:	Time:	
Were custody seals on outside of the package/cooler?  If YES, how many and where?	YES NO	da <sup>2</sup>
Does date match collection date on COC?	VES NO	NA
2) Was Chain of Custody (COC) included in the package/cooler?	Ms NO	NA
3) Was COC signed when relinquished and received? (time, date)?	VE NO	NA
4) How was the package/cooler delivered?		
UPS FEDEX USPS CLIENT COURIER OT	HER:	_
Tracking Number (written in or copy of shipping label):	1118 7980	3350 8943 98
5) Was packing material used?	YES NO	NA
Peanuts Bubble Wrap Foam Paper Other:		
6) Was temperature upon receipt 4*C÷ 2*C (if appropriate)? If not, client contacted:	YES NO	NA
7) Was there evidence of cooling? What kind?	YES GO	NA
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?	YE NO	NA
11) Did all sample container labels and tags agree with the COC?	CYES 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
16) Sample location prior to login: R99 R39 R44 F44 Ambient Shel	f Cannabis Table	Othor:
Explain any discrepancies:	SETTIBLIST ADIE	outer.
Page of		





**Report Number:** 21-010090/D001.R000

09/13/2021 Report Date: ORELAP#: OR100028

**Purchase Order:** 

Received: 08/31/21 10:19

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

Laboratory Quality Control Results								
JAOAC2015 V98	JAOAC2015 V98-6 Batch ID: 2107886							
Laboratory Contro	ol Sample							
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes	
CBDVA	0.00995	0.01	%	99.5	85.0 - 11	5 Acceptable		
CBDV	0.0103	0.01	%	103	85.0 - 11	5 Acceptable		
CBE	0.0101	0.01	%	101	85.0 - 11	5 Acceptable		
CBDA	0.00992	0.01	%	99.2	85.0 - 11	5 Acceptable		
CBGA	0.00985	0.01	%	98.5	85.0 - 11	5 Acceptable		
CBG	0.00987	0.01	%	98.7	85.0 - 11	5 Acceptable		
CBD	0.00993	0.01	%	99.3	85.0 - 11	5 Acceptable		
THCV	0.00999	0.01	%	99.9	85.0 - 11	5 Acceptable		
d8THCV	0.00982	0.01	%	98.2	85.0 - 11	5 Acceptable		
THCVA	0.00935	0.01	%	93.5	85.0 - 11	5 Acceptable		
CBN	0.0103	0.01	%	103	85.0 - 11	5 Acceptable		
exo-THC	0.00939	0.01	%	93.9	85.0 - 11	5 Acceptable		
d9THC	0.0101	0.01	%	101	85.0 - 11	5 Acceptable		
d8THC	0.0100	0.01	%	100	85.0 - 11	5 Acceptable		
CBL	0.00962	0.01	%	96.2	85.0 - 11	5 Acceptable		
CBC	0.0102	0.01	%	102	85.0 - 11	5 Acceptable		
THCA	0.0101	0.01	%	101	85.0 - 11	5 Acceptable		
CBCA	0.00994	0.01	%	99.4	85.0 - 11	5 Acceptable		
CBLA	0.0103	0.01	%	103	85.0 - 11	5 Acceptable		
CBT	0.0104	0.01	%	104	85.0 - 11	5 Acceptable		

Method Blank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBDV	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBE	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBDA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBGA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBG	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBD	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
THCV	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
d8THCV	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
THCVA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBN	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
exo-THC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
d9THC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
d8THC	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBL	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	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	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBCA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBLA	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	0.003	%	< 0.003	Acceptable	
CBT	<l0q< td=""><td>0.003</td><td>%</td><td>&lt; 0.003</td><td>Acceptable</td><td></td></l0q<>	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





**Report Number:** 21-010090/D001.R000

09/13/2021 Report Date: ORELAP#: OR100028

**Purchase Order:** 

Received: 08/31/21 10:19

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

#### Laboratory Quality Control Results

JAOAC2015 V	5 V98-6 Batch ID: 2107886									
Sample Duplica	te				Samp	Sample ID: 21-010068-0001				
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes		
CBDVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBDV	0.0745	0.0749	0.003	%	0.419	< 20	Acceptable			
CBE	0.191	0.195	0.003	%	2.09	< 20	Acceptable			
CBDA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBGA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBG	0.0524	0.0526	0.003	%	0.380	< 20	Acceptable			
CBD	18.7	18.8	0.003	%	0.246	< 20	Acceptable			
THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
d8THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
THCVA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBN	0.127	0.128	0.003	%	0.526	< 20	Acceptable			
exo-THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
d9THC	0.0129	0.0131	0.003	%	1.76	< 20	Acceptable			
d8THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBL	0.0115	0.0119	0.003	%	3.58	< 20	Acceptable			
CBC	0.152	0.153	0.003	%	0.388	< 20	Acceptable			
THCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBLA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBT	0.180	0.182	0.003	%	1.42	< 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





**Report Number:** 21-010090/D001.R000

**Report Date:** 09/13/2021 ORELAP#: OR100028

**Purchase Order:** 

08/31/21 10:19 Received:

#### Terpenes Quality Cortrol Results

Method Reference: EP.	A5035						Batch	i ID: 210789	96
Method Blank				Laborator		Sample			
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS% Rec	Limits	Notes
a-pinene	<l00< td=""><td>&lt; 200</td><td></td><td>575</td><td>500</td><td>μg/g</td><td>115%</td><td>70 - 130</td><td></td></l00<>	< 200		575	500	μg/g	115%	70 - 130	
Camplene	<l00< 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></l00<>	< 200		473	500	μg/g	95%	70 - 130	
Sabinene	<l00< td=""><td>&lt; 200</td><td></td><td>441</td><td>500</td><td>μg/g</td><td>88%</td><td>70 - 130</td><td></td></l00<>	< 200		441	500	μg/g	88%	70 - 130	
b-Pinene	<l00< td=""><td>&lt; 200</td><td></td><td>443</td><td>500</td><td>μg/g</td><td>89%</td><td>70 - 130</td><td></td></l00<>	< 200		443	500	μg/g	89%	70 - 130	
b-Myrcene	<lqq< td=""><td>&lt; 200</td><td></td><td>444</td><td>500</td><td>μg/g</td><td>89%</td><td>70 - 130</td><td></td></lqq<>	< 200		444	500	μg/g	89%	70 - 130	
a-phellandrene	<lqq< 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></lqq<>	< 200		467	500	μg/g	93%	70 - 130	
d-3-Carene	<lqq< td=""><td>&lt; 200</td><td></td><td>525</td><td>500</td><td>μg/g</td><td>105%</td><td>70 - 130</td><td></td></lqq<>	< 200		525	500	μg/g	105%	70 - 130	
a-Terpinene	<lqq< td=""><td>&lt; 200</td><td></td><td>472</td><td>500</td><td>μg/g</td><td>94%</td><td>70 - 130</td><td></td></lqq<>	< 200		472	500	μg/g	94%	70 - 130	
p-Cymene	<l0q< td=""><td>&lt; 200</td><td>)</td><td>477</td><td>500</td><td>μg/g</td><td>95%</td><td>70 - 130</td><td></td></l0q<>	< 200	)	477	500	μg/g	95%	70 - 130	
D-Limonene	<lqq< td=""><td>&lt; 200</td><td>D</td><td>421</td><td>500</td><td>μg/g</td><td>84%</td><td>70 - 130</td><td></td></lqq<>	< 200	D	421	500	μg/g	84%	70 - 130	
Euælyptol	<l0q< td=""><td>&lt; 200</td><td>)</td><td>486</td><td>500</td><td>μg/g</td><td>97%</td><td>70 - 130</td><td></td></l0q<>	< 200	)	486	500	μg/g	97%	70 - 130	
b-ds-Ocimene	<l00< td=""><td>&lt; 67</td><td>7</td><td>138</td><td>167</td><td>μg/g</td><td>83%</td><td>70 - 130</td><td></td></l00<>	< 67	7	138	167	μg/g	83%	70 - 130	
b-trans-Ocimene	<lqq< td=""><td>&lt; 133</td><td>3</td><td>298</td><td>333</td><td>μg/g</td><td>89%</td><td>70 - 130</td><td></td></lqq<>	< 133	3	298	333	μg/g	89%	70 - 130	
g-Terpinene	<l00< td=""><td>&lt; 200</td><td>)</td><td>433</td><td>500</td><td>μg/g</td><td>87%</td><td>70 - 130</td><td></td></l00<>	< 200	)	433	500	μg/g	87%	70 - 130	
Sabinene_Hydrate	<lqq< td=""><td>&lt; 200</td><td>)</td><td>456</td><td>500</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></lqq<>	< 200	)	456	500	μg/g	91%	70 - 130	
Terpinolene	<l00< td=""><td>&lt; 200</td><td>)</td><td>372</td><td>500</td><td>μg/g</td><td>74%</td><td>70 - 130</td><td></td></l00<>	< 200	)	372	500	μg/g	74%	70 - 130	
D-Fenchone	<lqq< td=""><td>&lt; 200</td><td>)</td><td>413</td><td>500</td><td>μg/g</td><td>83%</td><td>70 - 130</td><td></td></lqq<>	< 200	)	413	500	μg/g	83%	70 - 130	
Linalool	<l00< td=""><td>&lt; 200</td><td>)</td><td>474</td><td>500</td><td>μg/g</td><td>95%</td><td>70 - 130</td><td></td></l00<>	< 200	)	474	500	μg/g	95%	70 - 130	
Fenchol	<l00< td=""><td>&lt; 200</td><td>)</td><td>460</td><td>500</td><td>μg/g</td><td>92%</td><td>70 - 130</td><td></td></l00<>	< 200	)	460	500	μg/g	92%	70 - 130	
Camplor	<l00< td=""><td>&lt; 200</td><td>)</td><td>456</td><td>500</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></l00<>	< 200	)	456	500	μg/g	91%	70 - 130	
Isquilego	<lqq< 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></lqq<>	< 200	)	438	500	μg/g	88%	70 - 130	
Isoborneol	<l0q< td=""><td>&lt; 200</td><td>)</td><td>456</td><td>500</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></l0q<>	< 200	)	456	500	μg/g	91%	70 - 130	
Borneol	<l00< td=""><td>&lt; 200</td><td>)</td><td>458</td><td>500</td><td>μg/g</td><td>92%</td><td>70 - 130</td><td></td></l00<>	< 200	)	458	500	μg/g	92%	70 - 130	
DL-Menthol	<l00< td=""><td>&lt; 200</td><td>)</td><td>454</td><td>500</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></l00<>	< 200	)	454	500	μg/g	91%	70 - 130	
Terpineol	<l00< td=""><td>&lt; 200</td><td></td><td>417</td><td>500</td><td>μg/g</td><td>83%</td><td>70 - 130</td><td></td></l00<>	< 200		417	500	μg/g	83%	70 - 130	
Nerol	<l00< td=""><td>&lt; 200</td><td></td><td>424</td><td>500</td><td>μg/g</td><td>85%</td><td>70 - 130</td><td></td></l00<>	< 200		424	500	μg/g	85%	70 - 130	
Pulegone	<l00< td=""><td>&lt; 200</td><td>D</td><td>541</td><td>500</td><td>μg/g</td><td>108%</td><td>70 - 130</td><td></td></l00<>	< 200	D	541	500	μg/g	108%	70 - 130	
Gerenol	<l00< td=""><td>&lt; 200</td><td>)</td><td>368</td><td>500</td><td>μg/g</td><td>74%</td><td>70 - 130</td><td></td></l00<>	< 200	)	368	500	μg/g	74%	70 - 130	
Geranyl_Acetate	<l00< td=""><td>&lt; 200</td><td>)</td><td>457</td><td>500</td><td>μg/g</td><td>91%</td><td>70 - 130</td><td></td></l00<>	< 200	)	457	500	μg/g	91%	70 - 130	
a-Cedrene	<l00< td=""><td>&lt; 200</td><td>)</td><td>479</td><td>500</td><td>μg/g</td><td>96%</td><td>70 - 130</td><td></td></l00<>	< 200	)	479	500	μg/g	96%	70 - 130	
b-Caryophyllene	<l00< td=""><td>&lt; 200</td><td>D</td><td>373</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></l00<>	< 200	D	373	500	μg/g	75%	70 - 130	
a-Humulene	<l00< td=""><td>&lt; 200</td><td>)</td><td>440</td><td>500</td><td>μg/g</td><td>88%</td><td>70 - 130</td><td></td></l00<>	< 200	)	440	500	μg/g	88%	70 - 130	
Valenene	<l00< td=""><td>&lt; 200</td><td></td><td>375</td><td>500</td><td>μg/g</td><td>75%</td><td>70 - 130</td><td></td></l00<>	< 200		375	500	μg/g	75%	70 - 130	
cis-Nerolidol	<l00< td=""><td>&lt; 200</td><td></td><td>460</td><td>500</td><td>μg/g</td><td>92%</td><td>70 - 130</td><td></td></l00<>	< 200		460	500	μg/g	92%	70 - 130	
a-Farnesene	<l00< td=""><td>&lt; 200</td><td></td><td>489</td><td>500</td><td>μg/g</td><td>98%</td><td>70 - 130</td><td></td></l00<>	< 200		489	500	μg/g	98%	70 - 130	
trans-Nerolidol	<l00< 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></l00<>	< 200	)	451	500	μg/g	90%	70 - 130	
Caryophyllene Oxide	<l00< td=""><td>&lt; 200</td><td></td><td>552</td><td>500</td><td>μg/g</td><td>110%</td><td>70 - 130</td><td></td></l00<>	< 200		552	500	μg/g	110%	70 - 130	
Guaiol	<l00< 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></l00<>	< 200		507	500	μg/g	101%	70 - 130	
Cedrol	<l00< td=""><td>&lt; 200</td><td></td><td>450</td><td>500</td><td>µg/g</td><td>90%</td><td>70 - 130</td><td></td></l00<>	< 200		450	500	µg/g	90%	70 - 130	
a-Bsabdol	<l00< 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></l00<>	< 200		473	500	µg/g	95%	70 - 130	

Definitions

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





**Report Number:** 21-010090/D001.R000

Report Date: 09/13/2021 ORELAP#: OR100028

**Purchase Order:** 

08/31/21 10:19 Received:

### Terpenes Quality Control Results

Method Reference: EPA5035 Batch ID: 2107896									
Sample/Sample Duplica		Sample ID: 21-009157-0003							
Analyte	Result	Org. Result	LOQ	Units	% RPD	⊔МІТ	Notes		
a-pinene	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Camplene	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Sabinene	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
b-Pinene	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
b-Myrcene	48900	48900	188	μg/g	0%	< 20			
a-phellandrene	<l00< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l00<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
d-3-Carene	390	421	188	μg/g	8%	< 20			
a-Terpinene	201	203	188	μg/g	1%	< 20			
p-Cymene	<l0q< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
D-Limonene	89500	90600	188	μg/g	1%	< 20			
Eucalyptol	<l0q< td=""><td><loq< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></loq<></td></l0q<>	<loq< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></loq<>	188	μg/g	0%	< 20			
b-as-Ocimene	<l0q< td=""><td><loq< td=""><td>62.5</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></loq<></td></l0q<>	<loq< td=""><td>62.5</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></loq<>	62.5	μg/g	0%	< 20			
b-trans-Ocimene	<l0q< td=""><td><l0q< td=""><td>125</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>125</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	125	μg/g	0%	< 20			
g-Terpinene	<l0q< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
Sabinene Hydrate	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Terpinolene	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
D-Fenchone	<l0q< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
Linalool	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Fenchol	<l0q< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
Camplor	<l0q< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
Isapuleap	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Isdoorneol	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Borneol	<l0q< td=""><td><l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<></td></l0q<>	<l0q< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l0q<>	188	μg/g	0%	< 20			
DL-Menthol	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Terpineol	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Nerol	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Pulegone	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Gereniol	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Geranyl Acetate	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
a-Qedrene	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
b-Caryophyllene	21800	21800	188	μg/g	0%	< 20			
a-Humulene	1640	1650	188	μg/g	1%	< 20			
Valenene	<l0q< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l0q<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
cis-Nerolidol	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
a-Farnesene	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
trans-Nerolidol	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Caryophyllene Oxide	411	404	188	µg/g	2%	< 20			
Guaiol	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
Cedrol	<l00< td=""><td><l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<></td></l00<>	<l00< td=""><td>188</td><td>μg/g</td><td>0%</td><td>&lt; 20</td><td></td></l00<>	188	μg/g	0%	< 20			
a-Bsabdol	452	435	188	µg/g	4%	< 20	l		

Definitions

Relative Percent Difference





**Report Number:** 21-010090/D001.R000

**Report Date:** 09/13/2021 ORELAP#: OR100028

**Purchase Order:** 

Received: 08/31/21 10:19

### 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.