



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



**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/Metric ID:** .  
**Laboratory ID:** 22-001043-0010

### Summary

#### Potency:

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

#### Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
farnesene†	0.178	19.45%	β-Caryophyllene†	0.170	18.58%
β-Myrcene†	0.154	16.83%	(R)-(+)-Limonene†	0.139	15.19%
(-)-Guaiol†	0.0673	7.36%	α-Bisabolol†	0.0574	6.27%
Humulene†	0.0514	5.62%	Linalool†	0.0481	5.26%
(-)-β-Pinene†	0.0272	2.97%	(+)-fenchol†	0.0224	2.45%
<b>Total Terpenes†</b>	<b>0.915</b>	<b>100.00%</b>			



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



**Report Number:** 22-001043/D003.R000  
**Report Date:** 02/03/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/27/22 16:45

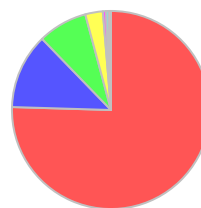
**Customer:** IHC LLC  
 825 NW 16th Ave  
 Portland Oregon 97209  
 United States of America (USA)

**Product identity:** 01FLT\_012722\_PP  
**Client/Metric ID:** .  
**Sample Date:**  
**Laboratory ID:** 22-001043-0010  
**Evidence of Cooling:** No  
**Temp:** 17.5 °C  
**Relinquished by:** Client



### Sample Results

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



- CBD-A
- CBC-A
- CBG-A
- THC-A
- CBD
- CBDV-A
- CBG

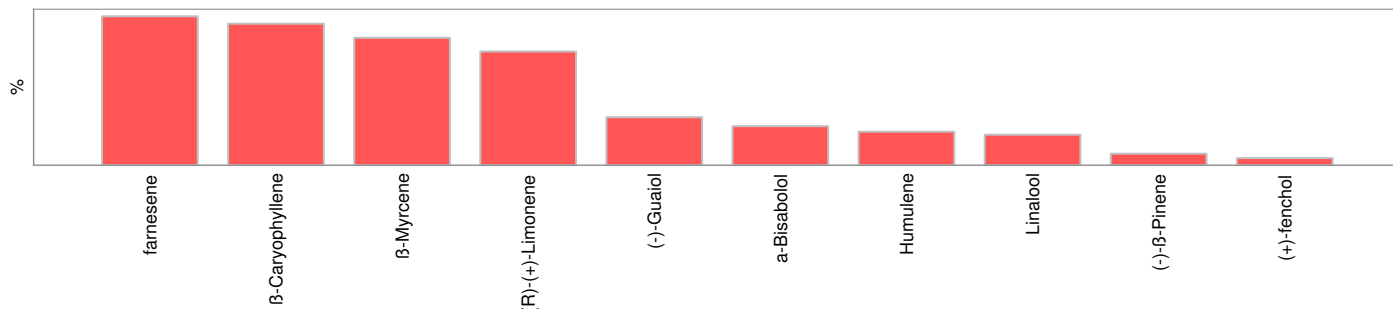


12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794

**Report Number:** 22-001043/D003.R000  
**Report Date:** 02/03/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/27/22 16:45



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2200960	Analyze 02/02/22 12:00 AM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
farnesene <sup>†</sup>	0.178	0.019	19.454%		β-Caryophyllene <sup>†</sup>	0.170	0.019	18.579%	
β-Myrcene <sup>†</sup>	0.154	0.019	16.831%		(R)-(+)-Limonene <sup>†</sup>	0.139	0.019	15.191%	
(-)-Guaiol <sup>†</sup>	0.0673	0.019	7.3552%		α-Bisabolol <sup>†</sup>	0.0574	0.019	6.2732%	
Humulene <sup>†</sup>	0.0514	0.019	5.6175%		Linalool <sup>†</sup>	0.0481	0.019	5.2568%	
(-)-β-Pinene <sup>†</sup>	0.0272	0.019	2.9727%		(+)-fenchol <sup>†</sup>	0.0224	0.019	2.4481%	
α-pinene <sup>†</sup>	< LOQ	0.019	0.00%		(±)-trans-Nerolidol <sup>†</sup>	< LOQ	0.019	0.00%	
Terpinolene <sup>†</sup>	< LOQ	0.019	0.00%		(-)-α-Terpineol <sup>†</sup>	< LOQ	0.019	0.00%	
Geraniol <sup>†</sup>	< LOQ	0.019	0.00%		Menthol <sup>†</sup>	< LOQ	0.019	0.00%	
Sabinene hydrate <sup>†</sup>	< LOQ	0.019	0.00%		nerol <sup>†</sup>	< LOQ	0.019	0.00%	
α-Terpinene <sup>†</sup>	< LOQ	0.019	0.00%		(-)-caryophyllene oxide <sup>†</sup>	< LOQ	0.019	0.00%	
Camphene <sup>†</sup>	< LOQ	0.019	0.00%		(+)-Borneol <sup>†</sup>	< LOQ	0.019	0.00%	
(±)-Camphor <sup>†</sup>	< LOQ	0.019	0.00%		(+)-Cedrol <sup>†</sup>	< LOQ	0.019	0.00%	
(+)-Pulegone <sup>†</sup>	< LOQ	0.019	0.00%		(±)-fenchone <sup>†</sup>	< LOQ	0.019	0.00%	
(-)-Isopulegol <sup>†</sup>	< LOQ	0.019	0.00%		(±)-cis-Nerolidol <sup>†</sup>	< LOQ	0.019	0.00%	
α-cedrene <sup>†</sup>	< LOQ	0.019	0.00%		α-phellandrene <sup>†</sup>	< LOQ	0.019	0.00%	
cis-β-Ocimene <sup>†</sup>	< LOQ	0.006	0.00%		d-3-Carene <sup>†</sup>	< LOQ	0.019	0.00%	
Eucalyptol <sup>†</sup>	< LOQ	0.019	0.00%		γ-Terpinene <sup>†</sup>	< LOQ	0.019	0.00%	
Geranyl acetate <sup>†</sup>	< LOQ	0.019	0.00%		Isoborneol <sup>†</sup>	< LOQ	0.019	0.00%	
p-Cymene <sup>†</sup>	< LOQ	0.019	0.00%		Sabinene <sup>†</sup>	< LOQ	0.019	0.00%	
trans-β-Ocimene <sup>†</sup>	< LOQ	0.013	0.00%		valencene <sup>†</sup>	< LOQ	0.019	0.00%	
<b>Total Terpenes</b>	<b>0.915</b>								





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



**Report Number:** 22-001043/D003.R000  
**Report Date:** 02/03/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/27/22 16:45

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 = µg/g divided by 10,000

Approved Signatory

Derrick Tanner  
General Manager



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

**Report Number:** 22-001043/D003.R000  
**Report Date:** 02/03/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/27/22 16:45



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

Revision: 4.09 Control#: CRO23 Rev 02/24/2021 Eff: 01/04/2021  
ORELAP ID: OR100028

Company: <b>IHC</b> Contact: <b>Kyle Farook</b> Street: <b>431 NW Flinders St.</b> City: <b>Portland</b> State: <b>Or</b> Zip: <b>97209</b> <input type="checkbox"/> Email Results: <b>dropbox</b> Ft: (51) 608164 <input type="checkbox"/> Fax Results: ( ) Billing (if different): <b>beta@thehempcollect.com</b>				<b>Analysis Requested:</b> Pesticides - 0815 compounds Pesticide Multi-Residue - 379 compounds Potency Residual Solvents Moisture & Water Activity Terpenes Micro: Yeast and Mold Micro: E. Coli and Total Coliform Heavy Metals Mycotoxins Other:										PO Number: _____ Project Number: _____ Project Name: _____ Custom Reporting: _____ Report to State: <input type="checkbox"/> METRC or <input type="checkbox"/> Other _____ Turnaround time: <input checked="" type="checkbox"/> 5 Business Day Standard Turnaround <input type="checkbox"/> 3 Business Day Rush Turnaround* <input type="checkbox"/> 2 Business Day Rush Turnaround* <small>*Check for availability</small>																																																																																																																																																																																																					
Sampled by: _____				<table border="1"> <thead> <tr> <th>Lab ID</th> <th>Client Sample Identification</th> <th>Date</th> <th>Time</th> <th>Pesticides - 0815 compounds</th> <th>Pesticide Multi-Residue - 379 compounds</th> <th>Potency</th> <th>Residual Solvents</th> <th>Moisture &amp; Water Activity</th> <th>Terpenes</th> <th>Micro: Yeast and Mold</th> <th>Micro: E. Coli and Total Coliform</th> <th>Heavy Metals</th> <th>Mycotoxins</th> <th>Other:</th> <th>Sample Type +</th> <th>Weight (lbs)</th> <th>Comments/Metric ID</th> </tr> </thead> <tbody> <tr><td>1</td><td>0103LIRVAP200_ST</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>2</td><td>0103LIRVAP200_SG</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>3</td><td>0103LIRVAP200_OG</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>4</td><td>0103LIRVAP200_SP</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>5</td><td>0103LIRVAP200_PB</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>6</td><td>01020606LIRVAP_PW</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>7</td><td>01020606LIRVAP_FV</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>8</td><td>0107LIRVAP200_OGK</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>9</td><td>01020606LIRBRD_FV</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>E</td><td></td><td></td></tr> <tr><td>10</td><td>01FLY_012722_PP</td><td>1/27</td><td></td><td></td><td></td><td>X</td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td><td>V</td><td></td><td></td></tr> </tbody> </table>										Lab ID	Client Sample Identification	Date	Time	Pesticides - 0815 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type +	Weight (lbs)	Comments/Metric ID	1	0103LIRVAP200_ST	1/27				X									E			2	0103LIRVAP200_SG	1/27				X									E			3	0103LIRVAP200_OG	1/27				X									E			4	0103LIRVAP200_SP	1/27				X									E			5	0103LIRVAP200_PB	1/27				X									E			6	01020606LIRVAP_PW	1/27				X									E			7	01020606LIRVAP_FV	1/27				X									E			8	0107LIRVAP200_OGK	1/27				X									E			9	01020606LIRBRD_FV	1/27				X									E			10	01FLY_012722_PP	1/27				X			X						V		
Lab ID	Client Sample Identification	Date	Time	Pesticides - 0815 compounds	Pesticide Multi-Residue - 379 compounds	Potency	Residual Solvents	Moisture & Water Activity	Terpenes	Micro: Yeast and Mold	Micro: E. Coli and Total Coliform	Heavy Metals	Mycotoxins	Other:	Sample Type +	Weight (lbs)	Comments/Metric ID																																																																																																																																																																																																		
1	0103LIRVAP200_ST	1/27				X									E																																																																																																																																																																																																				
2	0103LIRVAP200_SG	1/27				X									E																																																																																																																																																																																																				
3	0103LIRVAP200_OG	1/27				X									E																																																																																																																																																																																																				
4	0103LIRVAP200_SP	1/27				X									E																																																																																																																																																																																																				
5	0103LIRVAP200_PB	1/27				X									E																																																																																																																																																																																																				
6	01020606LIRVAP_PW	1/27				X									E																																																																																																																																																																																																				
7	01020606LIRVAP_FV	1/27				X									E																																																																																																																																																																																																				
8	0107LIRVAP200_OGK	1/27				X									E																																																																																																																																																																																																				
9	01020606LIRBRD_FV	1/27				X									E																																																																																																																																																																																																				
10	01FLY_012722_PP	1/27				X			X						V																																																																																																																																																																																																				
Relequipped By:		Date:	Time:	Received By:		Date:	Time:	Lab User Only:																																																																																																																																																																																																											
Kyle Farook		1/27	4:45	DS		1/27/22	16:45	<input type="checkbox"/> Shipped Via: <b>DPD Next drop</b> Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temp (°C): <b>17.5°C</b> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash   <input type="checkbox"/> Check   <input type="checkbox"/> CC   <input type="checkbox"/> Net: _____ Prelog storage: _____																																																																																																																																																																																																											

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

Samples collected by Columbia Laboratories with testing requirements constitute an agreement for analysis to accordance with the current terms of service associated with this COC. By signing "Relequipped By" you are agreeing to these terms.

12423 NE Whitaker Way  
Portland, OR 97230

P: (503) 254-1794 / Fax: (503) 254-2452  
lab@columbialaboratories.com

Page \_\_\_\_\_ of \_\_\_\_\_  
www.columbialaboratories.com



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

**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

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2200868						
Laboratory Control 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		
CBLA	0.0418	0.04	%	105	85.0 - 115	Acceptable		
CBT	0.0415	0.04	%	104	85.0 - 115	Acceptable		

Method Blank

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

Abbreviations

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

Units of Measure:

% - Percent



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



**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

Laboratory Quality Control Results

JAOAC2015 V98-6		Batch ID: 2200868						
Sample Duplicate		Sample ID: 22-000900-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBE	<LOQ	<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	<LOQ	0.03	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d8THCV	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
THCVA	0.120	0.121	0.03	%	1.17	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
d9THC	0.271	0.274	0.03	%	1.25	< 20	Acceptable	
d8THC	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	
CBC	<LOQ	<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	<LOQ	0.03	%	NA	< 20	Acceptable	
CBT	<LOQ	<LOQ	0.03	%	NA	< 20	Acceptable	

**Abbreviations**

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

**Units of Measure:**

% - Percent



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

**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 Control Results

Method Reference: EP/6035				Batch ID: 2200960					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		363	500	µg/g	73%	70 - 130	
Camphene	<LOQ	< 200		374	500	µg/g	75%	70 - 130	
Sabinene	<LOQ	< 200		365	500	µg/g	73%	70 - 130	
b-Pinene	<LOQ	< 200		384	500	µg/g	77%	70 - 130	
b-Myrcene	<LOQ	< 200		363	500	µg/g	73%	70 - 130	
a-phellandrene	<LOQ	< 200		355	500	µg/g	71%	70 - 130	
d-3-Carene	<LOQ	< 200		389	500	µg/g	78%	70 - 130	
a-Terpinene	<LOQ	< 200		373	500	µg/g	75%	70 - 130	
p-Cymene	<LOQ	< 200		357	500	µg/g	71%	70 - 130	
D-Limonene	<LOQ	< 200		374	500	µg/g	75%	70 - 130	
Eucalyptol	<LOQ	< 200		358	500	µg/g	72%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		129	167	µg/g	78%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		249	333	µg/g	75%	70 - 130	
g-Terpinene	<LOQ	< 200		411	500	µg/g	82%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		357	500	µg/g	71%	70 - 130	
Terpinolene	<LOQ	< 200		357	500	µg/g	71%	70 - 130	
D-Fenchone	<LOQ	< 200		366	500	µg/g	73%	70 - 130	
Linalool	<LOQ	< 200		359	500	µg/g	72%	70 - 130	
Fenchol	<LOQ	< 200		362	500	µg/g	72%	70 - 130	
Camphor	<LOQ	< 200		363	500	µg/g	73%	70 - 130	
Isopulego	<LOQ	< 200		382	500	µg/g	76%	70 - 130	
Isoborneol	<LOQ	< 200		374	500	µg/g	75%	70 - 130	
Borneol	<LOQ	< 200		365	500	µg/g	73%	70 - 130	
DL-Menthol	<LOQ	< 200		373	500	µg/g	75%	70 - 130	
Terpineol	<LOQ	< 200		316	500	µg/g	63%	70 - 130	Q
Nerol	<LOQ	< 200		352	500	µg/g	70%	70 - 130	
Pulegone	<LOQ	< 200		362	500	µg/g	72%	70 - 130	
Geraniol	<LOQ	< 200		352	500	µg/g	70%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		364	500	µg/g	73%	70 - 130	
a-Cedrene	<LOQ	< 200		381	500	µg/g	76%	70 - 130	
b-Caryophyllene	<LOQ	< 200		392	500	µg/g	78%	70 - 130	
a-Humulene	<LOQ	< 200		356	500	µg/g	71%	70 - 130	
Valenene	<LOQ	< 200		384	500	µg/g	77%	70 - 130	
cis-Nerolidol	<LOQ	< 200		380	500	µg/g	76%	70 - 130	
a-Farnesene	<LOQ	< 200		396	500	µg/g	79%	70 - 130	
trans-Nerolidol	<LOQ	< 200		361	500	µg/g	72%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		440	500	µg/g	88%	70 - 130	
Guaiol	<LOQ	< 200		411	500	µg/g	82%	70 - 130	
Cedrol	<LOQ	< 200		408	500	µg/g	82%	70 - 130	
a-Bisabolol	<LOQ	< 200		405	500	µg/g	81%	70 - 130	

Definitions

LOQ	Limit of Quantitation
LCS	Laboratory Control Sample
% REC	Percent Recovery
Q	Matrix interference affecting spike or surrogate recoveries





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



**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 Control Results

Method Reference: EPA5035		Batch ID: 2200960					
Sample/Sample Duplicate		Sample ID: 22-001043-0010					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	<LOQ	<LOQ	197	µg/g	0%	< 20	
Camphene	<LOQ	<LOQ	197	µg/g	0%	< 20	
Sabinene	<LOQ	<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-phellandrene	<LOQ	<LOQ	197	µg/g	0%	< 20	
d-3-Carene	<LOQ	<LOQ	197	µg/g	0%	< 20	
a-Terpinene	<LOQ	<LOQ	197	µg/g	0%	< 20	
p-Cymene	<LOQ	<LOQ	197	µg/g	0%	< 20	
D-Limonene	1380	1390	197	µg/g	1%	< 20	
Eucalyptol	<LOQ	<LOQ	197	µg/g	0%	< 20	
b-cis-Ocimene	<LOQ	<LOQ	65.7	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	131	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	197	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	197	µg/g	0%	< 20	
Terpinolene	<LOQ	<LOQ	197	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	197	µg/g	0%	< 20	
Linalool	469	481	197	µg/g	3%	< 20	
Fenchol	215	224	197	µg/g	4%	< 20	
Camphor	<LOQ	<LOQ	197	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	197	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	197	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	197	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	197	µg/g	0%	< 20	
Terpineol	<LOQ	<LOQ	197	µg/g	0%	< 20	
Nerol	<LOQ	<LOQ	197	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	197	µg/g	0%	< 20	
Geraniol	<LOQ	<LOQ	197	µg/g	0%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	197	µg/g	0%	< 20	
a-Cedrene	<LOQ	<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	<LOQ	197	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	197	µg/g	0%	< 20	
a-Farnesene	1780	1780	197	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	197	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	197	µg/g	0%	< 20	
Guaiol	674	673	197	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	197	µg/g	0%	< 20	
a-Bisabolol	570	574	197	µg/g	1%	< 20	

Definitions

RPD Relative Percent Difference



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



**Report Number:** 22-001043/D003.R000  
**Report Date:** 02/03/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 01/27/22 16:45

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