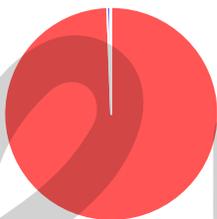



Customer: Wildflower Hemp Co
Product identity: 8 King Louie
Client/Metric ID: .
Laboratory ID: 21-013745-0009

Summary

Potency:

Analyte	Result (%)		
Δ^8 -THC [†]	83.5		CBD-Total <LOQ
Δ^8 -THCV	0.390		THC-Total <LOQ
CBT [†]	0.116		(Reported in percent of total sample)

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
(R)-(+)-Limonene [†]	1.14	29.92%	β -Caryophyllene [†]	0.665	17.45%
β -Myrcene [†]	0.544	14.28%	Linalool [†]	0.394	10.34%
Humulene [†]	0.383	10.05%	(-)- β -Pinene [†]	0.239	6.27%
(+)-fenchol [†]	0.113	2.97%	(-)- α -Terpineol [†]	0.111	2.91%
α -pinene [†]	0.105	2.76%	(\pm)-trans-Nerolidol [†]	0.0871	2.29%
valencene [†]	0.0239	0.63%	Total Terpenes[†]	3.81	100.00%



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Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49



Customer: Wildflower Hemp Co
65686 Clive Falls Rd
97703
United States of America (USA)

Product identity: 8 King Louie

Client/Metric ID: .

Sample Date:

Laboratory ID: 21-013745-0009

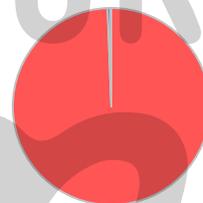
Evidence of Cooling: No

Temp: 21.2 °C

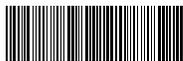
Relinquished by: UPS

Sample Results

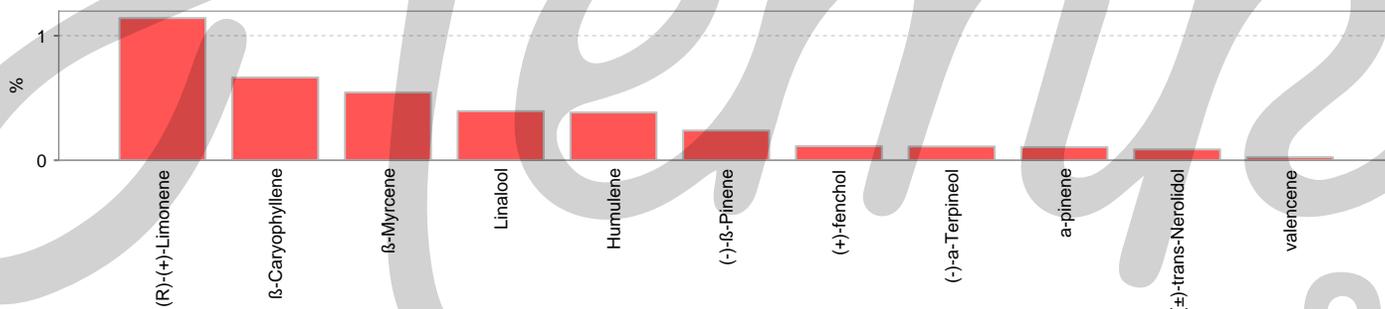
Potency	Method J AOAC 2015 V98-6 (mod)	Units %	Batch: 2110660	Analyze: 11/24/21 8:00:00 PM
Analyte	As Received	Dry weight	LOQ	Notes
CBC	< LOQ		0.0906	
CBC-A†	< LOQ		0.0906	
CBC-Total†	< LOQ		0.170	
CBD	< LOQ		0.0906	
CBD-A	< LOQ		0.0906	
CBD-Total	< LOQ		0.170	
CBDV†	< LOQ		0.0906	
CBDV-A†	< LOQ		0.0906	
CBDV-Total†	< LOQ		0.169	
CBE†	< LOQ		0.0906	
CBG†	< LOQ		0.0906	
CBG-A†	< LOQ		0.0906	
CBG-Total	< LOQ		0.169	
CBL†	< LOQ		0.0906	
CBL-A†	< LOQ		0.0906	
CBL-Total†	< LOQ		0.170	
CBN	< LOQ		0.0906	
CBT†	0.116		0.0906	
Δ8-THC†	83.5		0.906	
Δ8-THCV	0.390		0.0906	
Δ9-THC	< LOQ		0.0906	
THC-A	< LOQ		0.0906	
THC-Total	< LOQ		0.170	
THCV†	< LOQ		0.0906	
THCV-A†	< LOQ		0.0906	
THCV-Total†	< LOQ		0.169	
Total Cannabinoids†	84.0			



- 8-THC
- 8-THCV
- CBT



Terpenes				Method J AOAC 2015 V98-6	Units %	Batch 2110736	Analyze 11/30/21 08:46 PM		
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
(R)-(+)-Limonene [†]	1.14	0.018	29.92%		β-Caryophyllene [†]	0.665	0.018	17.454%	
β-Myrcene [†]	0.544	0.018	14.278%		Linalool [†]	0.394	0.018	10.341%	
Humulene [†]	0.383	0.018	10.052%		(-)-β-Pinene [†]	0.239	0.018	6.273%	
(+)-fenchol [†]	0.113	0.018	2.966%		(-)-α-Terpineol [†]	0.111	0.018	2.913%	
α-pinene [†]	0.105	0.018	2.756%		(±)-trans-Nerolidol [†]	0.0871	0.018	2.2861%	
valencene [†]	0.0239	0.018	0.6273%		Geraniol [†]	< LOQ	0.018	0.00%	
α-Terpinene [†]	< LOQ	0.018	0.00%		γ-Terpinene [†]	< LOQ	0.018	0.00%	
trans-β-Ocimene [†]	< LOQ	0.012	0.00%		cis-β-Ocimene [†]	< LOQ	0.006	0.00%	
Terpinolene [†]	< LOQ	0.018	0.00%		nerol [†]	< LOQ	0.018	0.00%	
(-)-caryophyllene oxide [†]	< LOQ	0.018	0.00%		Sabinene hydrate [†]	< LOQ	0.018	0.00%	
d-3-Carene [†]	< LOQ	0.018	0.00%		(+)-Pulegone [†]	< LOQ	0.018	0.00%	
(+)-Borneol [†]	< LOQ	0.018	0.00%		(-)-Guaiol [†]	< LOQ	0.018	0.00%	
(±)-Camphor [†]	< LOQ	0.018	0.00%		(±)-fenchone [†]	< LOQ	0.018	0.00%	
(-)-Isopulegol [†]	< LOQ	0.018	0.00%		(+)-Cedrol [†]	< LOQ	0.018	0.00%	
(±)-cis-Nerolidol [†]	< LOQ	0.018	0.00%		α-Bisabolol [†]	< LOQ	0.018	0.00%	
α-cedrene [†]	< LOQ	0.018	0.00%		α-phellandrene [†]	< LOQ	0.018	0.00%	
Camphene [†]	< LOQ	0.018	0.00%		Eucalyptol [†]	< LOQ	0.018	0.00%	
farnesene [†]	< LOQ	0.018	0.00%		Geranyl acetate [†]	< LOQ	0.018	0.00%	
Isoborneol [†]	< LOQ	0.018	0.00%		Menthol [†]	< LOQ	0.018	0.00%	
p-Cymene [†]	< LOQ	0.018	0.00%		Sabinene [†]	< LOQ	0.018	0.00%	
Total Terpenes	3.81								





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Received: 11/22/21 10:49

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

THE
GEORGIA



Approved Signatory

Derrick Tanner
General Manager



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

Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Document Control ID: 2732 Revision: 1
Effective: 05/04/2021
ORELAP ID: OR100028

Company: <u>WILDFLOWER HEMP CO</u> Contact: <u>GARY HAN & TARA PINTO</u> Street: <u>10101 CLINE FALLS RD.</u> City: <u>WHEAT RIDGE</u> State: <u>OR</u> Zip: <u>97149</u> <input checked="" type="checkbox"/> Email Results: <u>info@wildflowerhempco.com</u> Ph: <u>503-440-0719</u> <input type="checkbox"/> Fx Results: () Billing (if different): _____				Analysis Requested <input type="checkbox"/> Pesticides - OR 59 compounds <input type="checkbox"/> Pesticide Multi-Residue - 379 compounds <input type="checkbox"/> Potency <input type="checkbox"/> Residual Solvents <input type="checkbox"/> Moisture & Water Activity <input type="checkbox"/> Terpenes <input type="checkbox"/> Micro: Yeast and Mold <input type="checkbox"/> Micro: E. Coli and Total Coliform <input type="checkbox"/> Heavy Metals <input type="checkbox"/> Mycotoxins <input type="checkbox"/> 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* *Check for availability			
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 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 (Units)	Comments/Metric ID
	8 PINEAPPLE EXPRESS	11-19	10:50			X			X						S	5 grams	
	8 SOUR TSUNAMI	11-19	10:50			X			X						S	5 grams	
	8 JACK	11-19	10:50			X			X						S	5 grams	
	8 WIFEI	11-19	10:50			X			X						S	5 grams	
	C - CLEMENTINE	11-19	10:50			X			X						S	5 grams	
	C - SUPER SOUR DIESEL	11-19	10:50			X			X						S	5 grams	
	C - G.D.P.	11-19	10:50			X			X						S	5 grams	
Relinquished By: _____		Date	Time	Received By: _____		Date	Time	Lab Use Only:									
		11-19	10:51	DS		11/22/21	10:49	<input checked="" type="checkbox"/> Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>21.2°C</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check <input type="checkbox"/> CC <input type="checkbox"/> Net: <u>1128</u> Prelog storage: <u>DS 11/22/21</u>									

† - 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
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Portland, OR 97230

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info@columbialaboratories.com

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Portland, OR 97230
503-254-1794

Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

Document Control ID: 2732 Revision: 1
Effective: 05/04/2021
ORELAP ID: OR100028

Company: <u>WILDFLOWER HEMP CO</u> Contact: <u>GARY HALL & TARA PINTO</u> Street: <u>651686 CLIVE FALLS RD.</u> City: <u>BEND</u> State: <u>OR</u> Zip: <u>97703</u> <input checked="" type="checkbox"/> Email Results: <u>info@wildflowerhempco.com</u> Ph: <u>(541) 470-1218</u> <input type="checkbox"/> Fx Results: () Billing (if different):				Analysis Requested Pesticides - OR 59 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* *Check for availability			
Lab ID	Client Sample Identification	Date	Time	Pesticides - OR 59 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 (Units)	Comments/Metric ID
	8 NORTHERN LIGHTS	11-19	10:45			X			X						S	5 grams	
	8 GELATO	11-19	10:45			X			X						S	5 grams	
	8 ORANGE COOKIES	11-19	10:45			X			X						S	5 grams	
	8 SUPER SOUR DIESEL	11-19	10:45			X			X						S	5 grams	
	8 MENDO BREATH	11-19	10:45			X			X						S	5 grams	
	8 STRAWBERRY COUGH	11-19	10:45			X			X						S	5 grams	
	8 CLEMENTINE	11-19	10:45			X			X						S	5 grams	
	8 9LB HAMMER	11-19	10:45			X			X						S	5 grams	
	8 KING LOUIE	11-19	10:45			X			X						S	5 grams	
Relinquished By: <u>[Signature]</u>				Date	Time	Received By: <u>DS</u>				Date	Time	Lab Use Only:					
				11-19	10:50					11/22/21	10:49	Shipped Via: <u>UPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No - Temp (°C): <u>21.2°C</u> Sample in good condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Check <u>NOCC</u> <input type="checkbox"/> Net: <u>1128</u> Prelog storage: <u>11/22/21</u>					

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

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Portland, OR 97230
503-254-1794



Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49



Document ID: 3177 Revision: 2
Effective: 06/25/2021
Page 1 of 1

Job Number: _____ Search Name: _____

Package/Cooler opened on (if different than received date/time) Date: 11/22/21 Time: 10:45

Received By (Initials): DS Logged in by (Initials): _____ Date: _____ Time: _____

1) Were custody seals on outside of the package/cooler? YES NO NA
If YES, how many and where? _____

Does date match collection date on COC? _____ YES NO NA

2) Was Chain of Custody (COC) included in the package/cooler? YES NO NA

3) Was COC signed when relinquished and received? (time, date)? YES NO NA

4) How was the package/cooler delivered?

UPS FEDEX USPS CLIENT COURIER OTHER: _____

Tracking Number (written in or copy of shipping label): 1Z 04V 578 03 9151 2608

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)? YES NO NA

If not, client contacted: _____ YES NO

7) Was there evidence of cooling? YES NO NA

What kind? 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? YES NO NA

11) Did all sample container labels and tags agree with the COC? YES 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 Shelf Cannabis Table Other: _____

Explain any discrepancies: 21.2°C



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Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49

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

Laboratory Quality Control Results

J AOAC 2015 V98-6 **Batch ID: 2110660**

Laboratory Control Sample

Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes
CBDVA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBDV	0.217	0.2	%	108	85.0 - 115	Acceptable	
CBE	0.195	0.2	%	97.6	85.0 - 115	Acceptable	
CBD	0.220	0.2	%	110	85.0 - 115	Acceptable	
CBGA	0.204	0.2	%	102	85.0 - 115	Acceptable	
CBG	0.202	0.2	%	101	85.0 - 115	Acceptable	
THCV	0.216	0.2	%	108	85.0 - 115	Acceptable	
d8THCV	0.188	0.2	%	94.1	85.0 - 115	Acceptable	
THCVA	0.178	0.2	%	88.9	85.0 - 115	Acceptable	
THCVA	0.198	0.2	%	98.8	85.0 - 115	Acceptable	
CBN	0.205	0.2	%	102	85.0 - 115	Acceptable	
exo-THC	0.170	0.2	%	85.1	85.0 - 115	Acceptable	
d9THC	0.194	0.2	%	97.2	85.0 - 115	Acceptable	
d8THC	0.185	0.2	%	92.6	85.0 - 115	Acceptable	
CBL	0.172	0.2	%	86.0	85.0 - 115	Acceptable	
CBC	0.194	0.2	%	97.2	85.0 - 115	Acceptable	
THCA	0.215	0.2	%	107	85.0 - 115	Acceptable	
CBCA	0.211	0.2	%	106	85.0 - 115	Acceptable	
CBLA	0.200	0.2	%	99.9	85.0 - 115	Acceptable	
CBT	0.225	0.2	%	113	85.0 - 115	Acceptable	

Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBDV	<LOQ	0.1	%	< 0.1	Acceptable	
CBE	<LOQ	0.1	%	< 0.1	Acceptable	
CBD	<LOQ	0.1	%	< 0.1	Acceptable	
CBGA	<LOQ	0.1	%	< 0.1	Acceptable	
CBG	<LOQ	0.1	%	< 0.1	Acceptable	
THCV	<LOQ	0.1	%	< 0.1	Acceptable	
d8THCV	<LOQ	0.1	%	< 0.1	Acceptable	
THCVA	<LOQ	0.1	%	< 0.1	Acceptable	
CBN	<LOQ	0.1	%	< 0.1	Acceptable	
exo-THC	<LOQ	0.1	%	< 0.1	Acceptable	
d9THC	<LOQ	0.1	%	< 0.1	Acceptable	
d8THC	<LOQ	0.1	%	< 0.1	Acceptable	
CBL	<LOQ	0.1	%	< 0.1	Acceptable	
CBC	<LOQ	0.1	%	< 0.1	Acceptable	
THCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBCA	<LOQ	0.1	%	< 0.1	Acceptable	
CBLA	<LOQ	0.1	%	< 0.1	Acceptable	
CBT	<LOQ	0.1	%	< 0.1	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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Portland, OR 97230
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Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49

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

Laboratory Quality Control Results

J AOAC 2015 V98-6		Batch ID: 2110660						
Sample Duplicate		Sample ID: 21-013745-0001						
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes
CBDVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBE	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBDA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBGA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBG	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBD	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCV	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THCV	0.384	0.374	0.1	%	2.54	< 20	Acceptable	
THCVA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBN	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
exo-THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d9THC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
d8THC	85.7	82.0	0.1	%	4.48	< 20	Acceptable	
CBL	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBC	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
THCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBCA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBLA	<LOQ	<LOQ	0.1	%	NA	< 20	Acceptable	
CBT	0.230	0.113	0.1	%	68.3	< 20	Outlier	Q6

Abbreviations

- ND - None Detected at or above MRL
- RPD - Relative Percent Difference
- LOQ - Limit of Quantitation
- NA - Calculation Not Applicable given non-numerical results
- Q6 - Quality control outside QC limits. Data acceptable based on remaining QC.

Units of Measure:

% - Percent



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Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49

Revision: Document ID:
Legacy ID: Effective:

Terpenes Quality Control Results

Method Reference: EPA 5035				Batch ID: 2110736					
Method Blank				Laboratory Control Sample					
Analyte	Result	LOQ	Notes	Result	LCS	Units	LCS % Rec	Limits	Notes
a-pinene	<LOQ	< 200		368	500	µg/g	74%	70 - 130	
Camphene	<LOQ	< 200		376	500	µg/g	75%	70 - 130	
Sabinene	<LOQ	< 200		374	500	µg/g	75%	70 - 130	
b-Pinene	<LOQ	< 200		453	500	µg/g	91%	70 - 130	
b-Myrcene	<LOQ	< 200		368	500	µg/g	74%	70 - 130	
a-phellandrene	<LOQ	< 200		355	500	µg/g	71%	70 - 130	
d-3-Carene	<LOQ	< 200		391	500	µg/g	78%	70 - 130	
a-Terpinene	<LOQ	< 200		392	500	µg/g	78%	70 - 130	
p-Cymene	<LOQ	< 200		375	500	µg/g	75%	70 - 130	
D-Limonene	<LOQ	< 200		391	500	µg/g	78%	70 - 130	
Eucalyptol	<LOQ	< 200		393	500	µg/g	79%	70 - 130	
b-cis-Ocimene	<LOQ	< 67		134	167	µg/g	81%	70 - 130	
b-trans-Ocimene	<LOQ	< 133		243	333	µg/g	73%	70 - 130	
g-Terpinene	<LOQ	< 200		377	500	µg/g	75%	70 - 130	
Sabinene_Hydrate	<LOQ	< 200		418	500	µg/g	84%	70 - 130	
Terpinolene	<LOQ	< 200		382	500	µg/g	76%	70 - 130	
D-Fenchone	<LOQ	< 200		385	500	µg/g	77%	70 - 130	
Linalool	<LOQ	< 200		467	500	µg/g	93%	70 - 130	
Fenchol	<LOQ	< 200		385	500	µg/g	77%	70 - 130	
Camphor	<LOQ	< 200		398	500	µg/g	80%	70 - 130	
Isopulego	<LOQ	< 200		375	500	µg/g	75%	70 - 130	
Isoborneol	<LOQ	< 200		405	500	µg/g	81%	70 - 130	
Borneol	<LOQ	< 200		412	500	µg/g	82%	70 - 130	
DL-Menthol	<LOQ	< 200		407	500	µg/g	81%	70 - 130	
Terpineol	<LOQ	< 200		387	500	µg/g	77%	70 - 130	
Nerol	<LOQ	< 200		395	500	µg/g	79%	70 - 130	
Pulegone	<LOQ	< 200		416	500	µg/g	83%	70 - 130	
Geraniol	<LOQ	< 200		423	500	µg/g	85%	70 - 130	
Geranyl_Acetate	<LOQ	< 200		405	500	µg/g	81%	70 - 130	
a-Cedrene	<LOQ	< 200		417	500	µg/g	83%	70 - 130	
b-Caryophyllene	<LOQ	< 200		449	500	µg/g	90%	70 - 130	
a-Humulene	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
Valenene	<LOQ	< 200		389	500	µg/g	78%	70 - 130	
cis-Nerolidol	<LOQ	< 200		434	500	µg/g	87%	70 - 130	
a-Farnesene	<LOQ	< 200		477	500	µg/g	95%	70 - 130	
trans-Nerolidol	<LOQ	< 200		460	500	µg/g	92%	70 - 130	
Caryophyllene_Oxide	<LOQ	< 200		399	500	µg/g	80%	70 - 130	
Guaiol	<LOQ	< 200		470	500	µg/g	94%	70 - 130	
Cedrol	<LOQ	< 200		453	500	µg/g	91%	70 - 130	
a-Bisabolol	<LOQ	< 200		464	500	µg/g	93%	70 - 130	

Definitions

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



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



Report Number: 21-013745/D006.R000
Report Date: 12/01/2021
ORELAP#: OR100028
Purchase Order:
Received: 11/22/21 10:49

Revision: Document ID:
 Legacy ID: Effective:

Terpenes Quality Control Results

Method Reference: EPA 5035		Batch ID: 2110736					
Sample/Sample Duplicate		Sample ID: 21-013745-0001					
Analyte	Result	Org. Result	LOQ	Units	% RPD	LIMIT	Notes
a-pinene	1760	1800	189	µg/g	2%	< 20	
Camphene	<LOQ	<LOQ	189	µg/g	0%	< 20	
Sabinene	<LOQ	<LOQ	189	µg/g	0%	< 20	
b-Pinene	2460	2510	189	µg/g	2%	< 20	
b-Myrcene	2880	2930	189	µg/g	2%	< 20	
a-phellandrene	574	598	189	µg/g	4%	< 20	
d-3-Carene	711	753	189	µg/g	6%	< 20	
a-Terpinene	459	476	189	µg/g	4%	< 20	
p-Cymene	<LOQ	<LOQ	189	µg/g	0%	< 20	
D-Limonene	5430	5520	189	µg/g	2%	< 20	
Eucalyptol	<LOQ	<LOQ	189	µg/g	0%	< 20	
b-cis-Ocimene	2010	2010	63.0	µg/g	0%	< 20	
b-trans-Ocimene	<LOQ	<LOQ	126	µg/g	0%	< 20	
g-Terpinene	<LOQ	<LOQ	189	µg/g	0%	< 20	
Sabinene_Hydrate	<LOQ	<LOQ	189	µg/g	0%	< 20	
Terpinolene	12100	12100	189	µg/g	0%	< 20	
D-Fenchone	<LOQ	<LOQ	189	µg/g	0%	< 20	
Linalool	834	803	189	µg/g	4%	< 20	
Fenchol	665	675	189	µg/g	1%	< 20	
Camphor	<LOQ	<LOQ	189	µg/g	0%	< 20	
Isopulego	<LOQ	<LOQ	189	µg/g	0%	< 20	
Isoborneol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Borneol	<LOQ	<LOQ	189	µg/g	0%	< 20	
DL-Menthol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Terpineol	895	877	189	µg/g	2%	< 20	
Nerol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Pulegone	<LOQ	<LOQ	189	µg/g	0%	< 20	
Geraniol	224	216	189	µg/g	4%	< 20	
Geranyl_Acetate	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Cedrene	<LOQ	<LOQ	189	µg/g	0%	< 20	
b-Caryophyllene	4900	4970	189	µg/g	1%	< 20	
a-Humulene	560	562	189	µg/g	0%	< 20	
Valenene	<LOQ	<LOQ	189	µg/g	0%	< 20	
cis-Nerolidol	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Farnesene	<LOQ	<LOQ	189	µg/g	0%	< 20	
trans-Nerolidol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Caryophyllene_Oxide	<LOQ	<LOQ	189	µg/g	0%	< 20	
Guaialol	<LOQ	<LOQ	189	µg/g	0%	< 20	
Cedrol	<LOQ	<LOQ	189	µg/g	0%	< 20	
a-Bisabolol	422	419	189	µg/g	1%	< 20	

Definitions

RPD Relative Percent Difference



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.