




Customer: Sunset Butte LLC
Product identity: Grape Ape 8
Client/Metric ID: .
Laboratory ID: 22-011796-0023

Summary

Potency:

Analyte	Result (%)		
Δ -THC	79.6		CBD-Total <LOQ
8 -THCV	0.232		THC-Total <LOQ
Δ			(Reported in percent of total sample)
8			

Terpenes:

Analyte	Percent by weight	Percent of Total	Analyte	Percent by weight	Percent of Total
β-Myrcene	0.930	25.91	a-pinene	0.559	15.57%
β-Caryophyllene	0.443	%	(R) - (+) -	0.399	11.11%
(-) - β-Pinene	0.262	12.34	Limonene	0.244	6.80%
Humulene	0.226	%	Linalool	0.184	5.13%
cis-β-Ocimene	0.0902	7.30%	valencene a-	0.0798	2.22%
(±) - trans-Nerolidol	0.0571	6.30%	Bisabolol	0.0368	1.03%
(-) - a-Terpineol	0.0357	2.51%	(+) - fenchol	0.0237	0.66%
Geraniol	0.0226	1.59%	Camphene	3.59	100.00%
		0.99%	Total Terpenes		
		0.63%			



Customer: Sunset Butte LLC
United States of America (USA)

Product identity: Grape Ape 8

Client/Metric ID: .

Sample Date: 22-011796-0023

Laboratory ID: No

Evidence of Cooling: 19.9 °C

Temp: usps

Relinquished by:

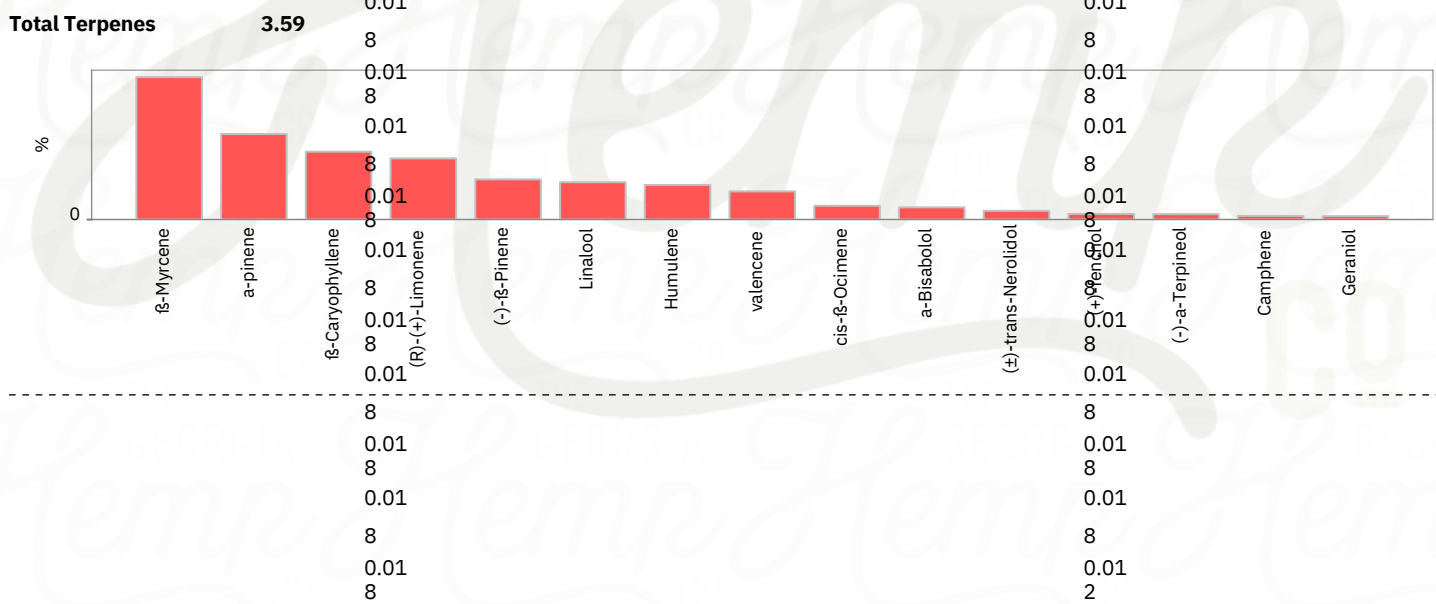
Sample Results

Potency	Method: J AOAC 2015 V98-6 (mod)b	Units %	Batch: 2208363	Analyze: 10/4/22 5:42:00 AM
Analyte	As Dry Received weight	LOQ	Notes	
CBC	<LOQ	0.0683		
CBC-A	<LOQ	0.0683		
CBC-Total	<LOQ	0.128		
CBD	<LOQ	0.0683		
CBD-A	<LOQ	0.0683		
CBD-Total	<LOQ	0.128		
CBDV	<LOQ	0.0683		
CBDV-A	<LOQ	0.0683		
CBDV-Total	<LOQ	0.128		
CBE	<LOQ	0.0683		
CBG	<LOQ	0.0683		
CBG-A	<LOQ	0.0683		
CBG-Total	<LOQ	0.128		
CBL	<LOQ	0.0683		
CBL-A	<LOQ	0.0683		
CBL-Total	<LOQ	0.128		
CBN	<LOQ	0.0683		
CBT	<LOQ	0.0683		
Δ10- THC	<LOQ	0.0683		
Δ8-THC	79.6	0.683		
Δ8-THCV	0.232	0.0683		
Δ9-THC	<LOQ	0.0683		
exo-THC	<LOQ	0.0683		
THC-A	<LOQ	0.0683		
THC-Total	<LOQ	0.128		
THCV	<LOQ	0.0683		
THCV-A	<LOQ	0.0683		
THCV-Total	<LOQ	0.128		
Total Cannabinoids	79.8	0.128		





Terpenes				Method: J AOAC 2015 V98-6	Units %	Batch 2208520 Analyze 10/06/22 05:35 PM			
Analyte	Result	LOQ	% of Total	Notes	Analyte	Result	LOQ	% of Total	Notes
β-Myrcene	0.930	0.01	25.905%		a-pinene	0.559	0.01	15.571%	
β-Caryophyllene	0.443	8	12.340%		(R) - (+) - Limonene	0.399	8	11.114%	
(-) - β-Pinene	0.262	0.01	7.298%		Linalool	0.244	0.01	6.797%	
Humulene	0.226	8	6.295%		valencene	0.184	8	5.125%	
cis-β-Ocimene	0.0902	0.01	2.5125%		a-Bisabolol	0.0798	0.01	2.2228%	
(±) - trans-Nerolidol	0.0571	8	1.5905%		(+) - fenchol	0.0368	8	1.0251%	
(-) - a-Terpineol	0.0357	0.01	0.9944%		Camphene	0.0237	0.01	0.6602%	
Geraniol	0.0226	8	0.6295%		(-) - caryophyllene oxide	<LOQ	8	0.00%	
Geranyl acetate	<LOQ	0.00	0.00%		Menthol	<LOQ	0.01	0.00%	
d-3-Carene	<LOQ	6	0.00%		Terpinolene	<LOQ	8	0.00%	
(+) - Borneol	<LOQ	0.01	0.00%		(-) - Isopulegol	<LOQ	0.01	0.00%	
Sabinene	<LOQ	8	0.00%		Isoborneol	<LOQ	8	0.00%	
(±) - Camphor	<LOQ	0.01	0.00%		Sabinene hydrate	<LOQ	0.01	0.00%	
(±) - fenchone	<LOQ	8	0.00%		Eucalyptol	<LOQ	8	0.00%	
gamma-Terpinene	<LOQ	0.01	0.00%		(±) - cis-Nerolidol	<LOQ	0.01	0.00%	
(+) - Cedrol	<LOQ	8	0.00%		(-) - Guaiol	<LOQ	8	0.00%	
(+) - Pulegone	<LOQ	0.01	0.00%		a-cedrene	<LOQ	0.01	0.00%	
a-phellandrene	<LOQ	8	0.00%		a-Terpinene	<LOQ	8	0.00%	
farnesene	<LOQ	0.01	0.00%		nerol	<LOQ	8	0.00%	
p-Cymene	<LOQ	8	0.00%		trans-β-Ocimene	<LOQ	0.01	0.00%	
		8	0.00%				8	0.00%	
		0.01					0.01		
Total Terpenes	3.59								





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.

^p
= ISO/IEC 17025:2017 accredited method.

Units of Measure

% = Percentage of sample

% wt = $\mu\text{g/g}$ divided by 10,000

Approved Signatory



Derrick Tanner
General Manager



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

Report Number: 22-
Report Date: 011796/D013.R000
ORELAP#: 10/07/2022
Purchase Order: OR100028
Received: 09/30/22 10:16



Hemp / Cannabis Usable / Extract / Finished Products

Chain of Custody Record

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

SUNSET 22-011796



Sunset Butte LLC

Company: Sunset Butte LLC
 Contact: Gary Hall
 Street: 65686 Clive Falls Rd
 City: Bend State: OR Zip: 97703
 Email Results: soundsgoodgary@icloud.com
 Ph: () () 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 - METRC or Other: _____
 Turnaround time: 5 Business Day Standard Turnaround
 3 Business Day Rush Turnaround*
 2 Business Day Rush Turnaround*
 *Check for availability

Lab ID	Client Sample Identification	Date	Time	Pesticides - 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
	Banana Runtz 8	9/29	10:45a			X			X							5ml	
	Pineapple Express 8	9/29				X			X							5ml	
	Ekte Cooler 8	9/29				X			X							5ml	
	Grape Ape 8	9/29				X			X							5ml	
	Wifi OG 8	9/29				X			X							5ml	
	Purple Punch 8	9/29				X			X							5ml	
	Granddaddy Purple 8	9/29				X			X							5ml	
	Obama Kush 8	9/29				X			X							5ml	
	Obama Kush Pure 8	9/29		X		X			X		X					10ml	

Relinquished By: _____ Date: 9/29 Time: 10:45a Received By: RBS Date: 9/30 Time: 10:17

Lab Use Only:
 Shipped Via: UPS or Client drop
 Evidence of cooling: Yes | No - Temp (°C): 19.9
 Sample in good condition: Yes | No
 Cash | Check | CC | Net: _____
 Prelog storage: _____

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

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
 Testing in accordance with: OAR 333-007-0430



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

Report Number: 22-
Report Date: 011796/D013.R000
ORELAP#: 10/07/2022
Purchase Order: OR100028
Received: 09/30/22 10:16



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>Sunset Butte LLC</u> Contact: <u>Gary Hall</u> Street: <u>65686 Clin Falls Rd</u> City: <u>Bend</u> State: <u>OR</u> Zip: <u>97703</u> <input checked="" type="checkbox"/> Email Results: <u>soundsgoodgary@gmail.com</u> Ph: <u>(541) 480-0278</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 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		
Sampled by: <u>[Signature]</u>				Sample Type †	Weight (µg/ml)	Comments/Metrc ID										
Lab ID	Client Sample Identification	Date	Time													
	Relax CBD	9/29	10:30am		X			X			5ml					
	Focus CBD	9/29	10:30am		X			X			5ml					
	Revive CBD	9/29			X			X			5ml					
	Georgia Pie 8	9/29			X			X			5ml					
	Thin Mint 8	9/29			X			X			5ml					
	Strawberry Cough 8	9/29			X			X			5ml					
	7lb Hammer 8	9/29			X			X			5ml					
	Northern Lights 8	9/29			X			X			5ml					
	Bubba Kush 8	9/29			X			X			5ml					
Relinquished By: <u>[Signature]</u>		Date	Time	Received By: <u>RBS</u>			Date	Time	Lab Use Only:							
		9/29	10:30am				9/30	10:16	<input checked="" type="checkbox"/> Shipped Via: <u>USPS</u> or <input type="checkbox"/> Client drop Evidence of cooling: <input type="checkbox"/> Yes <input type="checkbox"/> No - Temp (°C): <u>19.9</u> Sample in good condition: <input 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)

12423 NE Whitaker Way
 Portland, OR 97230

P: (503) 254-1794 | Fax: (503) 254-1452
 info@columbialaboratories.com

Page _____ of _____
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Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
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12423 NE Whitaker Way
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Report Number: 22-
Report Date: 011796/D013.R000
ORELAP#: 10/07/2022
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Hemp / Cannabis Usable / Extract / Finished Products

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Sampled by: _____				<table border="1"> <thead> <tr> <th>Lab ID</th> <th>Client Sample Identification</th> <th>Date</th> <th>Time</th> <th>Pesticides - OR 59 compounds</th> <th>Pesticide Multi-Residue - 379 compounds</th> <th>Potency</th> <th>Residual Solvents</th> <th>Moisture & 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 (µg)</th> <th>Comments/Metric ID</th> </tr> </thead> <tbody> <tr> <td></td> <td>Ice Cream Cookies 8</td> <td>9/29</td> <td>10:40a</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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Mendo Breath 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Blue Dream 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Clementino 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>King Louis 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Gelato 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Z Kitter 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Forbidden Fruit 8</td> <td></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></td> <td>5m</td> <td></td> </tr> <tr> <td></td> <td>Green Crabc 8</td> <td></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></td> <td>5m</td> <td></td> </tr> </tbody> </table>										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 (µg)	Comments/Metric ID		Ice Cream Cookies 8	9/29	10:40a			X			X							5m			Mendo Breath 8					X			X							5m			Blue Dream 8					X			X							5m			Clementino 8					X			X							5m			King Louis 8					X			X							5m			Gelato 8					X			X							5m			Z Kitter 8					X			X							5m			Forbidden Fruit 8					X			X							5m			Green Crabc 8					X			X							5m	
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Revision: 1 Document ID: 7148
Legacy ID: Worksheet Validated 04/20/2021

Laboratory Quality Control Results

J AOAC 2015 V98-6 Batch ID: 2208363

Laboratory Control Sample										
Analyte	LCS	Result	Spike	Units	% Re	Limits	Re	Limits	Evaluation	Notes
CBDVA	2	0.106	0.10	%	102	80	-	12	Acceptable	
CBDV	2	0.116	0.11	%	106	0	-	0	Acceptable	
CBE	2	0.106	0.11	%	102	80	-	12	Acceptable	
CBDA	1	0.100	0	%	100	0	-	0	Acceptable	
CBGA	1	0.100	0.10	%	99	80	-	12	Acceptable	
CBG	1	0.103	0	%	6	0	-	0	Acceptable	
CBN	1	0.111	0.10	%	100	90	-	11	Acceptable	
THCV	2	0.111	0	%	108	0	-	0	Acceptable	
Δ8THCV	2	0.107	0.10	%	98	80	-	12	Acceptable	
THCVA	2	0.107	0	%	3	0	-	0	Acceptable	
CBN	1	0.097	0.10	%	96	80	-	12	Acceptable	
exo-THC	2	1	3	%	7	0	-	0	Acceptable	
Δ9THC	1	0.097	0.10	%	107	90	-	11	Acceptable	
Δ8THC	1	8	3	%	96	0	-	0	Acceptable	
CBL	2	0.099	0.11	%	1	80	-	12	Acceptable	
Δ10THC	1	8	3	%	95	0	-	0	Acceptable	
CBG	2	0.091	0.11	%	3	80	-	12	Acceptable	
THCA	1	0	0	%	96	0	-	0	Acceptable	
CBGA	2	0.095	0.10	%	4	80	-	12	Acceptable	
CBLA	2	1	1	%	91	0	-	0	Acceptable	
CBT	2	0.090	0.10	%	2	90	-	11	Acceptable	
		0.104	0.10		5	80	-	12		
		0.092	0		94	0	-	0		
		0.092	0.00	Units	90	Limits	0	11		
CBDVA		<LOQ	0.108	0.007	% 95	0	<0.0077	0	Acceptable	
CBDV		<LOQ	0.056	0.007	% 8	90	<0.0077	11	Acceptable	
CBE		<LOQ	7	0.007	% 93	0	<0.0077	0	Acceptable	
CBDA		<LOQ	0.101	0.007	% 1	80	<0.0077	12	Acceptable	
CBGA		<LOQ		0.007	% 103	0	<0.0077	0	Acceptable	
CBG		<LOQ		0.007	% 101	80	<0.0077	12	Acceptable	
CBN		<LOQ		0.007	% 90	0	<0.0077	0	Acceptable	
THCV		<LOQ		0.10	% 2	80	<0.0077	12	Acceptable	
Δ8THCV		<LOQ		0.007	% 2	80	<0.0077	12	Acceptable	
THCVA		<LOQ		0.00	% 0	<0.0077	0	Acceptable		
CBN		<LOQ		0.007	% 0	<0.0077	11	Acceptable		
exo-THC		<LOQ		0.10	% 0	<0.0077	0	Acceptable		
Δ9THC		<LOQ		0.007	% 0	<0.0077	12	Acceptable		
Δ8THC		<LOQ		0.05	% 0	<0.0077	0	Acceptable		
CBL		<LOQ		0.007	% 0	<0.0077	12	Acceptable		
Δ10THC		<LOQ		0.11	% 0	<0.0077	0	Acceptable		
CBG		<LOQ		0.007	% 0	<0.0077	12	Acceptable		
THCA		<LOQ		0	% 0	<0.0077	0	Acceptable		
CBGA		<LOQ		0.007	% 0	<0.0077	Acceptable			
CBLA		<LOQ		7	% 0	<0.0077	Acceptable			
CBT		<LOQ		0.007	% 0	<0.0077	Acceptable			
				7						
				0.007						

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

Units of Measure:
 % - Percent



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503-254-1794

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Terpenes Quality Control Results

Method Reference: EPA 5035		Batch ID: 2208520						
Method Blank			Laboratory Control Sample					
Analyte Result	LOQ	Notes	Result	LCS	Units	% Rec	Limits	Notes
a-pinene	<LO	<200	51	50	µg/	103	7 - 13	
Camphene	Q	<200	3	0	g	%	0 - 0	
Sabinene	<LO	<200	53	50	µg/	107	7 - 13	
b-Pinene	Q	<200	4	0	g	%	0 - 0	
b-Myrcene	<LO	<200	53	50	µg/	106	7 - 13	
a-phellandrene	Q	<200	2	0	g	%	0 - 0	
α-3-Carene	<LO	<200	52	50	µg/	106	7 - 13	
a-Terpinene	Q	<200	9	0	g	%	0 - 0	
p-Cymene	<LO	<200	53	50	µg/	107	7 - 13	
D-Limonene	Q	<200	6	0	g	%	0 - 0	
Eucalyptol	<LO	<200	53	50	µg/	107	7 - 13	
b-cis-Ocimene	Q	<67	3	0	g	%	0 - 0	
b-trans-Ocimene	<LO	<133	56	50	µg/	113	7 - 13	
g-Terpinene	Q	<200	5	0	g	%	0 - 0	
Sabinene_Hydrate	<LO	<200	50	50	µg/	101	7 - 13	
Terpinolene	Q	<200	4	0	g	%	0 - 0	
D-Fenchone	<LO	<200	51	50	µg/	103	7 - 13	
Linalool	Q	<200	5	0	g	%	0 - 0	
Fenchol	<LO	<200	51	50	µg/	102	7 - 13	
Camphor	Q	<200	0	0	g	%	0 - 0	
Isopulego	<LO	<200	52	50	µg/	105	7 - 13	
Isoborneol	Q	<200	5	0	g	%	0 - 0	
Borneol	<LO	<200	17	16	µg/	107	7 - 13	
DL-Menthol	Q	<200	8	7	g	%	0 - 0	
Terpineol	<LO	<200	38	33	µg/	116	7 - 13	
Nerol	Q	<200	6	3	g	%	0 - 0	
Putegone	<LO	<200	53	50	µg/	106	7 - 13	
Geraniol	Q	<200	0	0	g	%	0 - 0	
Geranyl_Acetate	<LO	<200	51	50	µg/	104	7 - 13	
a-Cedrene	Q	<200	9	0	g	%	0 - 0	
b-Caryophytene	<LO	<200	52	50	µg/	106	7 - 13	
a-Humulene	Q	<200	9	0	g	%	0 - 0	
Valerenene	<LO	<200	50	50	µg/	101	7 - 13	
cis-Nerolidol	Q	<200	4	0	g	%	0 - 0	
α-Farnesene	<LO	<200	60	50	µg/	121	7 - 13	Q1
trans-Nerolidol	Q	<200	3	0	g	%	0 - 0	
Caryophytene_Oxide	<LO	<200	53	50	µg/	107	7 - 13	
Guaiol	Q	<200	6	0	g	%	0 - 0	
Cedrol	<LO	<200	52	50	µg/	106	7 - 13	
a-Bisabolol	Q	<200	8	0	g	%	0 - 0	
Definitions	Q	<LO	56	50	µg/	113	7 - 13	
LOQ	Limit of Quantitation	Q	7	0	g	%	0 - 0	
LCS	Laboratory Control Sample	Q	54	50	µg/	109	7 - 13	
% REC	Percent Recovery	Q	4	0	g	%	0 - 0	
Q1	Quality control result biased high. Only non-detect samples reported.	Q	55	50	µg/	110	7 - 13	
		Q	2	0	g	%	0 - 0	
		Q	51	50	µg/	104	7 - 13	
		Q	9	0	g	%	0 - 0	
		Q	52	50	µg/	104	7 - 13	
		Q	2	0	g	%	0 - 0	
		Q	54	50	µg/	109	7 - 13	
		Q	6	0	g	%	0 - 0	
		Q	54	50	µg/	109	7 - 13	
		Q	7	0	g	%	0 - 0	
		Q	55	50	µg/	111	7 - 13	
		Q	6	0	g	%	0 - 0	
		Q	57	50	µg/	115	7 - 13	
		Q	6	0	g	%	0 - 0	
		Q	51	50	µg/	103	7 - 13	
		Q	3	0	g	%	0 - 0	
		Q	53	50	µg/	107	7 - 13	
		Q	6	0	g	%	0 - 0	
		Q	54	50	µg/	108	7 - 13	
		Q	2	0	g	%	0 - 0	
		Q	53	50	µg/	106	7 - 13	
		Q	0	0	g	%	0 - 0	
		Q	60	50	µg/	122	7 - 13	
		Q	8	0	g	%	0 - 0	
		Q	69	50	µg/	139	7 - 13	
		Q	3	0	g	%	0 - 0	
		Q	54	50	µg/	109	7 - 13	
		Q	7	0	g	%	0 - 0	
		Q	50	50	µg/	100	7 - 13	
		Q	0	0	g	%	0 - 0	
		Q	57	50	µg/	115	7 - 13	
		Q	3	0	g	%	0 - 0	
		Q	57	50	µg/	116	7 - 13	
		Q	8	0	g	%	0 - 0	

Test results relate only to the parameters listed and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Columbia Laboratories quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.
Testing in accordance with: OAR 333-007-0430



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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.