



Report Number:	21-010177/D003.R000
Report Date:	09/09/2021
ORELAP#:	OR100028
Purchase Order:	
Received:	09/01/21 14:00

Customer:	Healthy Roots
Product identity:	#165 Facial Oil
Client/Metrc ID:	
Laboratory ID:	21-010177-0003

Summary

mg/16g
 )Q
)Q

Page 1 of 8 www.columbialaboratories.com
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prior arrangements have been made.
Testing in accordance with: OAR 333-007-0430





Report Number:	21-010177/D003.R000
Report Date:	09/09/2021
ORELAP#:	OR100028
Purchase Order:	
Received:	09/01/21 14:00

Customer:	Healthy Roots
Product identity: Client/Metrc ID:	#165 Facial Oil
Sample Date:	
Laboratory ID:	21-010177-0003
Evidence of Cooling:	No
Temp:	24.9 °C
Relinquished by:	L. Merrit
Serving Size #1:	16 g

# Sample Results

Potency	Method J AO	AC 2015 V98-6 (mod)	Units %	Batch: 2107929	Analyze: 9/3/21	4:48:00 AM
Analyte	Result	Limits	Units	LOQ		Notes
CBC	< LOQ		%	0.0860		
CBC-A <sup>†</sup>	< LOQ		%	0.0860		
CBC-Total <sup>†</sup>	< LOQ		%	0.161		
CBD	0.677		%	0.0860		
CBD-A	< LOQ		%	0.0860		
CBD-Total	0.677		%	0.161		
CBDV <sup>†</sup>	< LOQ		%	0.0860		
CBDV-A <sup>†</sup>	< LOQ		%	0.0860		
CBDV-Total <sup>†</sup>	< LOQ		%	0.161		
CBE <sup>†</sup>	< LOQ		%	0.0860		
CBG <sup>†</sup>	< LOQ		%	0.0860		
CBG-A <sup>†</sup>	< LOQ		%	0.0860		
CBG-Total	< LOQ		%	0.161		
CBL <sup>†</sup>	< LOQ		%	0.0860		
CBL-A <sup>†</sup>	< LOQ		%	0.0860		
CBL-Total <sup>†</sup>	< LOQ		%	0.161		
CBN	< LOQ		%	0.0860		
CBT <sup>†</sup>	< LOQ		%	0.0860		
$\Delta 8$ -THCV	< LOQ		%	0.0860		
$\Delta 8$ -THC <sup>†</sup>	< LOQ		%	0.0860		
∆9-THC	< LOQ		%	0.0860		
THC-A	< LOQ		%	0.0860		
THC-Total	< LOQ		%	0.161		
THCV <sup>↑</sup>	< LOQ		%	0.0860		
THCV-A <sup>†</sup>	< LOQ		%	0.0860		
THCV-Total <sup>†</sup>	< LOQ		%	0.161		
Total Cannabinoids <sup>†</sup>	0.677		%			

Potency per 16g	Method J AOA	C 2015 V98-6 (m	nod) <b>Units</b> mg/se <b>Ba</b>	tch: 2107929	Analyze: 9/3/21 4:48:00 AM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 16g <sup>†</sup>	< LOQ		mg/16g	0.860	
CBC-A per 16g <sup>†</sup>	< LOQ		mg/16g	0.860	
CBC-Total per 16g <sup>+</sup>	< LOQ		mg/16g	1.61	

Page 2 of 8 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





**Report Number:** 21-010177/D003.R000 **Report Date:** 09/09/2021 **ORELAP#:** OR100028 **Purchase Order:** 09/01/21 14:00 **Received:** 

Potency per 16g	Method J AOA	C 2015 V98-6 (mod)Units mg/se Ba	atch: 2107929	Analyze: 9/3/21 4:48:00 AM
Analyte	Result	Limits Units	LOQ	Notes
CBD per 16g	108	mg/16g	13.8	
CBD-A per 16g	< LOQ	mg/16g	0.860	
CBD-Total per 16g	108	mg/16g	25.8	
CBDV per 16g⁺	< LOQ	mg/16g	0.860	
CBDV-A per 16g⁺	< LOQ	mg/16g	0.860	
CBDV-Total per 16g <sup>†</sup>	< LOQ	mg/16g	1.61	
CBE per 16g⁺	< LOQ	mg/16g	0.860	
CBG per 16g <sup>†</sup>	< LOQ	mg/16g	0.860	
CBG-A per 16g⁺	< LOQ	mg/16g	0.860	
CBG-Total per 16g <sup>†</sup>	< LOQ	mg/16g	1.61	
CBL per 16g <sup>†</sup>	< LOQ	mg/16g	0.860	
CBL-A per 16g⁺	< LOQ	mg/16g	0.860	
CBL-Total per 16g <sup>†</sup>	< LOQ	mg/16g	1.61	
CBN per 16g	< LOQ	mg/16g	0.860	
CBT per 16g <sup>†</sup>	< LOQ	mg/16g	0.860	
∆8-THCV per 16g <sup>†</sup>	< LOQ	mg/16g	0.860	
∆8-THC per 16g⁺	< LOQ	mg/16g	0.860	
∆9-THC per 16g	< LOQ	mg/16g	0.860	
exo-THC per 16g⁺	< LOQ	mg/16g	0.860	
THC-A per 16g	< LOQ	mg/16g	0.860	
THC-Total per 16g	< LOQ	mg/16g	1.61	
THCV per 16g⁺	< LOQ	mg/16g	0.860	
THCV-A per 16g <sup>†</sup>	< LOQ	mg/16g	0.860	
THCV-Total per 16g⁺	< LOQ	mg/16g	1.61	
Total Cannabinoids per 16g	108	mg/16g		

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 Page 3 of 8

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 Testing in accordance with:
 OAR 333-007-0430





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 21-010177/D003.R000

 Report Date:
 09/09/2021

 ORELAP#:
 OR100028

 Purchase Order:
 Received:

 09/01/21
 14:00

## 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.

<sup>†</sup> = Analyte not NELAP accredited.

## Units of Measure

g = Gram mg/16g = Milligram per 16g % = Percentage of sample % wt = μg/g divided by 10,000

Approved Signatory

Derrick Tanner General Manager

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Page 4 of 8

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Report Date:	09/09/2021
ORELAP#:	OR100028
Purchase Order:	

Received:

09/01/21 14:00

			Revis	ion: 4		ontrol	#: CF0	23 Re	v 02/2	24/20	21 Eff	: 03/0	04/202	1	Healthy	/ Roots
						A	nalys	is Req	ueste	d			S	p	O Number:	
Company:													ene	Proje	ct Number:	
CHAIN OF CUS Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airport Portland, OR 972 Email: Healthyrootshemp( Phone: 503-496-2329 License: AG-L 1052211FP	t Way, #1 230		– OR 59 compounds	esticide Multi-Residue – 379 compounds		ents	Vioisture & Water Activity		and Mold	E.Coli and Total Coliform	S		c Plate Count Salmonella	Report	Reporting: to State - ] Mi und time: 125 ] 3 ] 2	TRC or  Other: Business Day Standard Turnaround Business Day Rush Turnaround* Business Day Rush Turnaround* Check for availability
Lab ID Client Sample Identification	Date	Time	Pesticides -	Pesticide Mu	Potency	Residual Solvents	Moisture & \	Terpenes	Micro: Yeast and Mold	Micro: E.Coli	Heavy Metals	Mycotoxins	Other Doic	Sampleo Sample Type †	Weight (Units)	Comments/Metrc ID
#163 Royer Bonb <sup>354</sup> #166 1000 mint #165, Facial Oil					XX									TTT	89 1928	sg
#167, 1000 Horse		2			×						2			T	28.5g	Report in mg/gr
													Time			Report in mg/gr and % (percentage
Relinquished By: Merritt	Date 83 9/1	Time 200	-	BI		Receive	a By:				<sup>bate</sup>		1:00	Eviden Sample	e in good condit	1

Page 5 of 8
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Test results results are used to the samples are used to the samples are used to the samples will be retained for a maximum of 30 days from the receipt date unless
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Report Date:	09/09/2021
ORELAP#:	OR100028
Purchase Order:	

**Received:** 

09/01/21 14:00

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

Laboratory Quality Control Results									
J AOAC 2015 V98	3-6			Bat	ch ID: 2107929				
Laboratory Contr	ol Sample								
Analyte	Result	Spike	Units	% Rec	Limits	Evaluation	Notes		
CBDVA	0.203	0.2	%	101	85.0 - 115	Acceptable			
CBDV	0.214	0.2	%	107	85.0 - 115	Acceptable			
CBE	0.205	0.2	%	103	85.0 - 115	Acceptable			
CBDA	0.196	0.2	%	98.1	85.0 - 115	Acceptable			
CBGA	0.202	0.2	%	101	85.0 - 115	Acceptable			
CBG	0.200	0.2	%	99.9	85.0 - 115	Acceptable			
CBD	0.198	0.2	%	99.0	85.0 - 115	Acceptable			
THCV	0.209	0.2	%	104	85.0 - 115	Acceptable			
d8THCV	0.189	0.2	%	94.4	85.0 - 115	Acceptable			
THCVA	0.195	0.2	%	97.3	85.0 - 115	Acceptable			
CBN	0.195	0.2	%	97.5	85.0 - 115	Acceptable			
exo-THC	0.191	0.2	%	95.5	85.0 - 115	Acceptable			
d9THC	0.205	0.2	%	102	85.0 - 115	Acceptable			
d8THC	0.185	0.2	%	92.3	85.0 - 115	Acceptable			
CBL	0.216	0.2	%	108	85.0 - 115	Acceptable			
CBC	0.193	0.2	%	96.4	85.0 - 115	Acceptable			
THCA	0.192	0.2	%	96.1	85.0 - 115	Acceptable			
CBCA	0.196	0.2	%	98.0	85.0 - 115	Acceptable			
CBLA	0.200	0.2	%	100	85.0 - 115	Acceptable			
CBT	0.206	0.2	%	103	85.0 - 115	Acceptable			

## Method Blank

Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBDV	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBE	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBDA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBGA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBG	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBD	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THCV	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
d8THCV	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THCVA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBN	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
exo-THC	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
d9THC	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
d8THC	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBL	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBC	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
THCA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBCA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBLA	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></loq<>	0.1	%	< 0.1	Acceptable	
CBT	<loq< td=""><td>0.1</td><td>%</td><td>&lt; 0.1</td><td>Acceptable</td><td></td></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

Page 6 of 8 www.columbialaboratories.com
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Report Date:	09/09/2021
ORELAP#:	OR100028
Purchase Order:	
Received:	09/01/21 14:00

Revision #: 0.00 Control : CFL-D06

Revision Date: 05/31/2019 Effective Date: 05/31/2019

			Labo	ratory C	Quality Co	ntrol Results			
J AOAC 2015 V98-6 Batch ID: 2107929									
Sample Duplicate				Sample ID: 21-009747-0001-01					
Analyte	Result	Org. Result	LOQ	Units	RPD	Limits	Evaluation	Notes	
CBDVA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBDV	0.292	0.289	0.1	%	0.971	< 20	Acceptable		
CBE	0.346	0.343	0.1	%	0.794	< 20	Acceptable		
CBDA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBGA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBG	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBD	>98.0	>98.0	0.1	%	NA	< 20	Acceptable		
THCV	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
d8THCV	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
THCVA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBN	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
exo-THC	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
d9THC	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
d8THC	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBL	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBC	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
THCA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBCA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBLA	<loq< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		
CBT	<lod< td=""><td><loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<></td></lod<>	<loq< td=""><td>0.1</td><td>%</td><td>NA</td><td>&lt; 20</td><td>Acceptable</td><td></td></loq<>	0.1	%	NA	< 20	Acceptable		

#### Abbreviations

ND - None Detected at or above MRL

RPD - Relative Percent Difference

LOQ - Limit of Quantitation NA - Calculation Not Applicable given non-numerical results

### Units of Measure:

% - Percent

Page 7 of 8 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





**Report Number:** 21-010177/D003.R000 09/09/2021 **Report Date: ORELAP#:** OR100028 **Purchase Order:** 09/01/21 14:00 **Received:** 

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.

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 Page 8 of 8

 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