



Report Number: 22-009663/D002.R000

Report Date: 08/18/2022 ORELAP#: OR100028

Purchase Order:

08/12/22 14:12 Received:

Customer: Healthy Roots Product identity: #226, 200 Pet

Client/Metrc ID:

Laboratory ID: 22-009663-0001

Summary

Potency:

Analyte	Result	Limits	Units	Status	CBD-Total per Serving Size			
CBC	0.0138		%					
CBD	0.279		%					
CBD-A	0.456		%		THC-Total per Serving Size	5.50 mg/28.5g		
CBG	0.00423		%		(Reported in milligrams per serving)			
CBT	0.00396		%					
Δ9-THC	0.0145		%					
THC-A	0.00545		%					
Analyte per 28.5g	Result	Limits	Units	Status				
CBC per 28.5g	3.93		mg/28.5g					
CBD per 28.5g	79.5		mg/28.5g					
CBD-A per 28.5g	130		mg/28.5g					
CBG per 28.5g	1.21		mg/28.5g					
CBT per 28.5g	1.13		mg/28.5g					
Δ9-THC per 28.5g	4.13		mg/28.5g					
THC-A per 28.5g	1.55		mg/28.5g					





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Report Date: 08/18/2022 **ORELAP#:** OR100028

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Received: 08/12/22 14:12

Customer: Healthy Roots

Product identity: #226, 200 Pet

Client/Metrc ID:

Sample Date:

Laboratory ID: 22-009663-0001

Evidence of Cooling: No
Temp: 23.1 °C
Relinquished by: Client
Serving Size #1: 28.5 g

Sample Results

Potency	Method: J AOAC 2015 V9	8-6 (mod) ^þ	Units %	Batch: 2206906	Analyze: 8/15/22 9:32:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC	0.0138		%	0.00324	
CBC-A	< LOQ		%	0.00324	
CBC-Total	0.0138		%	0.00609	
CBD	0.279		%	0.00324	
CBD-A	0.456		%	0.00324	
CBD-Total	0.679		%	0.00609	
CBDV	< LOQ		%	0.00324	
CBDV-A	< LOQ		%	0.00324	
CBDV-Total	< LOQ		%	0.00605	
CBE	< LOQ		%	0.00324	
CBG	0.00423		%	0.00324	
CBG-A	< LOQ		%	0.00324	
CBG-Total	< LOQ		%	0.00605	
CBL	< LOQ		%	0.00324	
CBL-A	< LOQ		%	0.00324	
CBL-Total	< LOQ		%	0.00609	
CBN	< LOQ		%	0.00324	
CBT	0.00396		%	0.00324	
Δ8-THCV	< LOQ		%	0.00324	
∆8-THC	< LOQ		%	0.00324	
Δ9-THC	0.0145		%	0.00324	
exo-THC	< LOQ		%	0.00324	
THC-A	0.00545		%	0.00324	
THC-Total	0.0193		%	0.00609	
THCV	< LOQ		%	0.00324	
THCV-A	< LOQ		%	0.00324	
THCV-Total	< LOQ		%	0.00605	
Total Cannabinoids	0.777		%		

Potency per 28.5g	Method: J AOAC 2015 V9	8-6 (mod) ^þ	Units mg/se Batc	h: 2206906	Analyze: 8/15/22 9:32:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC per 28.5g	3.93		mg/28.5g	0.924	

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Report Number: Report Date:

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Potency per 28.5g	Method: J AOAC 2015 \	/98-6 (mod) ^þ	Units mg/se Bate	ch: 2206906	Analyze: 8/15/22 9:32:00 PM
Analyte	Result	Limits	Units	LOQ	Notes
CBC-A per 28.5g	< LOQ		mg/28.5g	0.924	
CBC-Total per 28.5g	3.93		mg/28.5g	1.73	
CBD per 28.5g	79.5		mg/28.5g	0.924	
CBD-A per 28.5g	130		mg/28.5g	0.924	
CBD-Total per 28.5g	194		mg/28.5g	1.73	
CBDV per 28.5g	< LOQ		mg/28.5g	0.924	
CBDV-A per 28.5g	< LOQ		mg/28.5g	0.924	
CBDV-Total per 28.5g	< LOQ		mg/28.5g	1.73	
CBE per 28.5g	< LOQ		mg/28.5g	0.924	
CBG per 28.5g	1.21		mg/28.5g	0.924	
CBG-A per 28.5g	< LOQ		mg/28.5g	0.924	
CBG-Total per 28.5g	< LOQ		mg/28.5g	1.73	
CBL per 28.5g	< LOQ		mg/28.5g	0.924	
CBL-A per 28.5g	< LOQ		mg/28.5g	0.924	
CBL-Total per 28.5g	< LOQ		mg/28.5g	1.73	
CBN per 28.5g	< LOQ		mg/28.5g	0.924	
CBT per 28.5g	1.13		mg/28.5g	0.924	
∆8-THCV per 28.5g	< LOQ		mg/28.5g	0.924	
∆8-THC per 28.5g	< LOQ		mg/28.5g	0.924	
∆9-THC per 28.5g	4.13		mg/28.5g	0.924	
exo-THC per 28.5g	< LOQ		mg/28.5g	0.924	
THC-A per 28.5g	1.55		mg/28.5g	0.924	
THC-Total per 28.5g	5.50		mg/28.5g	1.73	
THCV per 28.5g	< LOQ		mg/28.5g	0.924	
THCV-A per 28.5g	< LOQ		mg/28.5g	0.924	
THCV-Total per 28.5g	< LOQ		mg/28.5g	1.74	
Total Cannabinoids per 28	.5g 221		mg/28.5g		





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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.

b = ISO/IEC 17025:2017 accredited method.

Units of Measure

g = g mg/28.5g = Milligram per 28.5g% = Percentage of sample % wt = $\mu g/g$ divided by 10,000

Approved Signatory

Derrick Tanner General Manager





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ORELAP#:

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

Revision: 4.00 Control#: CF023 Rev 02/24/2021 Eff: 03/04/2021 ORELAP ID: **OR100028**

							A	nalys	is Rec	ueste	d						
Billin Boots	CHAIN OF C Company: Healthy Roots Contact: Liz Merritt Address: 14325 NE Airpc Portland, OR 9 Email: Healthyrootshem Phone: 503-496-2329 License: AG-L 1052211FF (if different): Ladd: Compliance O Healthy Client Sample Identification	ort Way, #1 7230 p@gmail.c	om	S les – OR 59 compounds	Pesticide Multi-Residue – 379 compounds		Residual Solvents	Moisture & Water Activity		Micro: Yeast and Mold	Micro: E.Coli and Total Coliform	letals	kins	Other Stadylococcin, Seudomonella	Proje Pro Custom Report t Turnarou	Reporting: to State -	TBC or ☐ Other:
Lab ID	Client Sample Identification	Date 8/12	Time	Pesticid	Pesticid	Potency	Residua	Moistur	Terpenes	Micro: Y	Micro: E	Heavy Metals	Mycotoxins	other 5	Sample Type †	Weight (Units)	Comments/Metrc ID
		1										,.*			T	28.5g	Report in mg/gr and % (percentage)
M	Relinquished By:	8/12/22	Time - 2:00	,		A	cceived	By:			8-	1Z		me 1:12	Evidence Sample i	e of cooling: \(\simeg\) Y in good condition	Lab Use Only:or □\tilde{Client drop} es \tilde{A} No - Temp (\tilde{C}):2 \tilde{J}.

lates (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 of the Whitaker Way

P: (503) 254-1794 | Fax: (503) 254-1452 12423 NE Whitaker Way Portland, OR 97230 Page of www.columbialaboratories.com infc@columbialaboratories.com



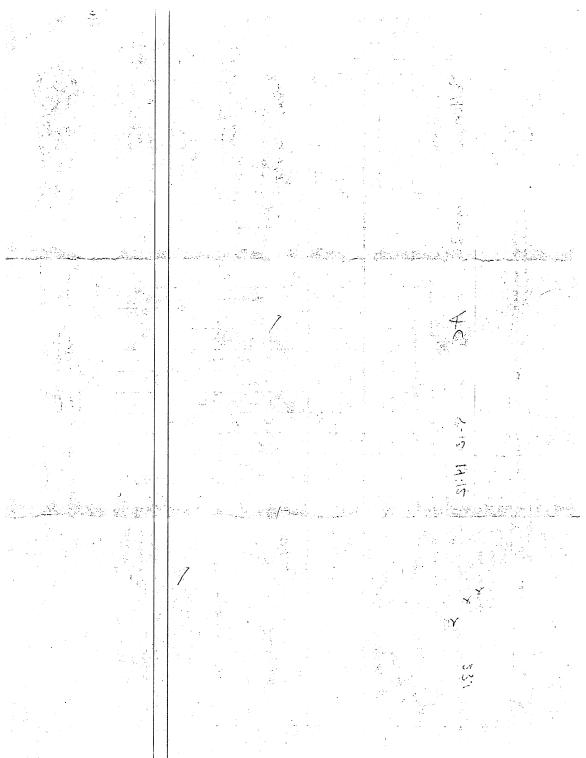


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Revision: 1 Document ID: 7148 Legacy ID: Worksheet Validated 04/20/2021

			Lal	oratory	Quality Co	ntrol Results			
AOAC 2015 V98-6 Batch ID: 2206906									
Laboratory Control	Sample								
Analyte	LCS	Result	Spike	Units	% Rec	Limits	3	Evaluation	Notes
CBDVA	1	0.0324	0.033	%	97.3	80.0 -	120	Acceptable	
CBDV	1	0.0343	0.033	%	103	80.0 -	120	Acceptable	
CBE	1	0.0334	0.033	%	100	80.0 -	120	Acceptable	
CBDA	1	0.0320	0.032	%	99.9	90.0 -	110	Acceptable	
CBGA	1	0.0328	0.032	%	102	80.0 -	120	Acceptable	
CBG	1	0.0345	0.034	%	102	80.0 -	120	Acceptable	
CBD	1	0.0349	0.033	%	104	90.0 -	110	Acceptable	
THCV	1	0.0347	0.033	%	104	80.0 -	120	Acceptable	
d8THCV	1	0.0353	0.033	%	106	80.0 -	120	Acceptable	
THCVA	1	0.0319	0.033	%	95.6	80.0 -	120	Acceptable	
CBN	1	0.0349	0.034	%	102	90.0 -	110	Acceptable	
exo-THC	1	0.0337	0.033	%	101	80.0 -	120	Acceptable	İ
d9THC	1	0.0371	0.037	%	100	90.0 -	110	Acceptable	
d8THC	1	0.0335	0.033	%	101	90.0 -	110	Acceptable	
CBL	1	0.0316	0.033	%	94.9	80.0 -	120	Acceptable	
CBC	1	0.0353	0.033	%	106	80.0 -	120	Acceptable	
THCA	1	0.0317	0.032	%	100	90.0 -	110	Acceptable	
CBCA	1	0.0333	0.033	%	99.9	80.0 -	120	Acceptable	
CRI A	1	0.0355	0.033	%	100	00.0	120	Accentable	

ivietnoa Biank						
Analyte	Result	LOQ	Units	Limits	Evaluation	Notes
CBDVA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBDV	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBE	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBDA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBGA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBG	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBD	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCV	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
d8THCV	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCVA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBN	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
exo-THC	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
d9THC	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
d8THC	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBL	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBC	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
THCA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBCA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBLA	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	
CBT	<loq< td=""><td>0.003</td><td>%</td><td>< 0.003</td><td>Acceptable</td><td></td></loq<>	0.003	%	< 0.003	Acceptable	

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

Units of Measure: % - Percent





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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: 2206906									
Sample Duplicate					Sam	ple ID: 22-009589	-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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBDV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBE	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBDA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBG	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBD	0.369	0.376	0.003	%	2.06	< 20	Acceptable			
THCV	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBN	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
exo-THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
d9THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
d8THC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBL	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBC	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
THCA	<loq< td=""><td><loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 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>< 20</td><td>Acceptable</td><td></td></loq<></td></loq<>	<loq< td=""><td>0.003</td><td>%</td><td>NA</td><td>< 20</td><td>Acceptable</td><td></td></loq<>	0.003	%	NA	< 20	Acceptable			
CBT	0.0072	0.0070	0.003	%	3.37	< 20	Acceptable			

Abbreviations

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

Units of Measure:





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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	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.