



**TESTMARK Laboratories Ltd.**

Committed to Quality and Service

## CERTIFICATE OF ANALYSIS

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Work Order Number: 411040  
PO #:  
Regulation: O.Reg. 243/07  
Project #:  
DWS #: 500046021  
Sampled By: L M

Date Order Received: 9/14/2020  
Arrival Temperature: 9.1 °C

Analysis Started: 9/18/2020  
Analysis Completed: 9/21/2020

### WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
Standing-BF2 by rm 17	1575003	Water	Plumbing		9/14/2020	6:05 AM
Flushed-BF2 by rm 17	1575004	Water	Plumbing		9/14/2020	6:40 AM
Standing-BF3 by rm 207	1575005	Water	Plumbing		9/14/2020	6:10 AM
Flushed-BF3 by rm 207	1575006	Water	Plumbing		9/14/2020	6:45 AM
Standing-Daycare T-1 rm 23	1575007	Water	Plumbing		9/14/2020	6:15 AM
Flushed-Daycare T-1 rm 23	1575008	Water	Plumbing		9/14/2020	6:50 AM

### METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):

Method	Lab	Description	Reference
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A



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This report has been approved by:

Brad Halvorson, B.Sc.  
Laboratory Director



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### WORK ORDER RESULTS

Sample Description	Standing - BF2 by rm 17		Flushed - BF2 by rm 17		Standing - BF3 by rm 207		Flushed - BF3 by rm 207			
Sample Date	9/14/2020 6:05 AM		9/14/2020 6:40 AM		9/14/2020 6:10 AM		9/14/2020 6:45 AM			
Lab ID	1575003		1575004		1575005		1575006			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.1	0.1	<0.1	0.1	ug/L	10

  

Sample Description	Standing - Daycare T - 1 rm 23		Flushed - Daycare T - 1 rm 23			
Sample Date	9/14/2020 6:15 AM		9/14/2020 6:50 AM			
Lab ID	1575007		1575008			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1 [<0.1]	0.1	<0.1	0.1	ug/L	10

### LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

[ ]: Results for laboratory replicates are shown in square brackets immediately below the associated sample result for ease of comparison.

Quality Control: All associated Quality Control data is available on request.

LCL: Lower Control Limit.

UCL: Upper Control Limit.

QAQCID: This is a unique reference to the quality control data set used to generate the reported value. Contact our lab for this information, as it is traceable through our LIMS.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result. Results apply to the sample(s) as received.



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### QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS.  
QAQC details include only values where sufficient sample data allowed measurement.

#### Metals

##### Method Blank: LRB-6 (Blank) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	0.1	ug/L	0	<0.1	1	20200918.A13.1F
Lead	0.1	ug/L	0	<0.1	1	20200921.A13.1B

##### Positive Control: LFB-7 (N 100 µg/L) (7)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	94.7	120	20200921.A13.1B
Lead	N/A	%	80	96.6	120	20200918.A13.1F

##### Reference Sample: CRM-12 (EP-L-3) (12)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	2.64	4.04	5.44	20200918.A13.1F
Lead	1	ug/L	2.64	4.23	5.44	20200921.A13.1B

##### Sample Replicate: % RPD (4)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	0	3.8	20	20200921.A13.1B

##### Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	93.7	130	20200918.A13.1F
Lead	N/A	% Rec	70	94.6	130	20200921.A13.1B



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THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
Flushed - BF2 by rm 17	1575004	ICPMS Reg. Water (A13)	20200921.A13.1B	20200917.A52E
Flushed - BF3 by rm 207	1575006	ICPMS Reg. Water (A13)	20200921.A13.1B	20200917.A52E
Flushed - Daycare T - 1 rm 23	1575008	ICPMS Reg. Water (A13)	20200918.A13.1F	20200917.A52F
Standing - BF2 by rm 17	1575003	ICPMS Reg. Water (A13)	20200921.A13.1B	20200917.A52E
Standing - BF3 by rm 207	1575005	ICPMS Reg. Water (A13)	20200921.A13.1B	20200917.A52E
Standing - Daycare T - 1 rm 23	1575007	ICPMS Reg. Water (A13)	20200918.A13.1F	20200917.A52F
Standing - Daycare T - 1 rm 23	1575007r	ICPMS Reg. Water (A13)	20200918.A13.1F	20200917.A52F