



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

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Work Order Number: 348192
PO #:
Regulation: O.Reg. 243/07
Project #:
DWS #: 500039118
Sampled By: Mark Bocy

Date Order Received: 6/28/2018
Arrival Temperature: 20 °C

Analysis Started: 7/4/2018
Analysis Completed: 7/5/2018

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
F 139 U (Standing)	1356610	Water	Plumbing		6/28/2018	6:30 AM
F 139 U (Flushed)	1356611	Water	Plumbing		6/28/2018	7:05 AM
T 136 DC S	1356612	Water	Plumbing		6/28/2018	6:40 AM
T 136 DC F	1356613	Water	Plumbing		6/28/2018	7:15 AM
T 111 L S	1356614	Water	Plumbing		6/28/2018	6:50 AM
T 111 L F	1356615	Water	Plumbing		6/28/2018	7:25 AM
F 221 L S	1356616	Water	Plumbing		6/28/2018	7:00 AM
F 221 L F	1356617	Water	Plumbing		6/28/2018	7:35 AM
F 215 BS (Standing)	1356618	Water	Plumbing		6/28/2018	7:10 AM
F 215 BS (Flushed)	1356619	Water	Plumbing		6/28/2018	7:45 AM

METHODS AND INSTRUMENTATION

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

Method	Lab	Description	Reference
ICPMS Reg. Water (R13.1)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A



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This report has been approved by:

Khaled Omari, Ph.D.
Laboratory Director

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WORK ORDER RESULTS

Sample Description	F 139 U (Standing)		F 139 U (Flushed)		T 136 DC S		T 136 DC F			
Lab ID	1356610		1356611		1356612		1356613			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<0.1	0.1	<0.1	0.1	0.2	0.1	<0.1	0.1	ug/L	10

Sample Description	T 111 L S		T 111 L F		F 221 L S		F 221 L F			
Lab ID	1356614		1356615		1356616		1356617			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.36	0.1	0.11	0.1	<0.1	0.1	<0.1	0.1	ug/L	10

Sample Description	F 215 BS (Standing)		F 215 BS (Flushed)			
Lab ID	1356618		1356619			
Metals	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	<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.

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.

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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							
%RPD: % RPD (4)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	0	1.2	20	20180705.R13.1C	
Reference Sample: CRM-12 (EP-L-3) (12)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	ug/L	3.65	4.01	4.35	20180705.R13.1C	
Method Blank: LRB-6 (Blank- µg/L) (6)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	1	ug/L	0	<1	1	20180705.R13.1C	
Sample Spike: LFMS-9 (N 100 µg/L) (9)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	% Rec	70	97.4	130	20180705.R13.1C	
Positive Control: LFB-7 (N 100 µg/L) (7)							
Parameter	MDL	Units	LCL	Result	UCL	QAQCID	
Lead	N/A	%	80	93.8	120	20180705.R13.1C	

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

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
F 139 U (Flushed)	1356611	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
F 139 U (Standing)	1356610	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
F 215 BS (Flushed)	1356619	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
F 215 BS (Standing)	1356618	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
F 221 L F	1356617	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
F 221 L S	1356616	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 111 L F	1356615	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 111 L S	1356614	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 136 DC F	1356613	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L
T 136 DC S	1356612	ICPMS Reg. Water (R13.1)	20180705.R13.1C	20180704.A52L