

## TEST REPORT

Report No:QMTL/R-101069/2020 Rev 01

<b>CLIENT: CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017  <b>ATTN: Mr. JASMAN PINTO</b>		Sample ID	QMTL/S-101069
		Date Received	18 Apr 2020
		Date(s) Tested	18 Apr 2020- 20 Apr 2020
		Date Reported	07 June 2020
Sample Description	<b>Swimming Pool</b>		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	ZAYED UNIVERSITY, AUH	Sampling Date/Time	18.04.2020/ 11.30 AM
Sample Container	1x500ml PB	Sampling Point	NA
Sample Receipt Temp	2.9°C	Sample On-site Temp	19°C
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

## TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 <sup>RD</sup> EDITION)	UNITS	SPECIFICATIONS	RESULTS
<b>MICROBIOLOGICAL ANALYSIS</b>				
Total Bacterial Count	APHA 9215 B	CFU/ml	1000	19
Total Coliforms	APHA 9222 B	CFU/100ml	-	Zero
Faecal coliform	APHA 9222 D	CFU/100ml	-	Zero
Pseudomonas aeruginosa	APHA 9213 E	CFU/100ml	-	Zero
Escherichia coli	APHA 9222 H & I	CFU/100ml	-	Zero

Remarks	The sample meets DM Water Systems quality 2010 specifications for Pool Water with respect to the above tests only. This report supersedes the report no QMTL/R-101069 reported on 27.04.2020
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality; WI: Work Instruction, NP: Not Provided
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Test Method Deviation	None
Test performed by Emp#	55 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

**Reported By**

**ANILA GEORGE**  
**LABORATORY MANAGER**

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**END OF REPORT**

## TEST REPORT

Report No:QMTL/R-101083/2020 Rev 01

<b>CLIENT:- CRYSTALLINE ENVIRONMENTAL SERVICES</b> P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017  <b>ATTN: Mr. JASMAN PINTO</b>		Sample ID	QMTL/S-101083
		Date Received	18 Apr 2020
		Date(s) Tested	18 Apr 2020- 28 Apr 2020
		Date Reported	07 June 2020
Sample Description	<b>Swimming Pool</b>		
Sample Type	Water	Sampling Method	QMTL-WI-16
Client Name/Project	NP	Sampled By	QMTL Representative
Location	ZAYED UNIVERSITY, AUH	Sampling Date/Time	18.04.2020/ 11.30 AM
Sample Container	1x1L PB	Sampling Point	Pool
Sample Receipt Temp	19°C	Sample On-site Temp	19°C
Sample Appearance	Clear	On-site Treatment	NP
Reference	NP		

### TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	LIMITS	RESULTS
<b>LEGIONELLA ANALYSIS</b>				
Legionella	ISO 11731:2017 E (Matrix A, Procedure 5)	CFU/litre	<1	<1
<b>IDENTIFICATION</b>				
Legionella Species	ISO 11731:2017 E	-	-	<b>Absent</b>
Legionella pneumophila sero group 1	ISO 11731:2017 E	-	-	<b>Absent</b>
Legionella pneumophila sero group 2-15	ISO 11731:2017 E	-	-	<b>Absent</b>

Remarks	The sample meets DM Water System quality (2010) specifications for Pool water with respect to the above tests only. This report supersedes the report no QMTL/R-101083 reported on 06.05.2020
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Keywords	CFU: Colony Forming Unit, ISO: International Organization for Standardization, DM: Dubai Municipality, NP: Not Provided WI: Work Instruction, BCYE: Buffered Charcoal Yeast Extract Agar Culture Media :- BCYE Agar
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Test Method Deviation	None
Test performed by Emp#	55 & 74
Report prepared by Emp#	72
The above test results are only applicable to the sample(s) referred above.	

**Reported By**

**ANILA GEORGE**  
**LABORATORY MANAGER**



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**END OF REPORT**



## SWIMMING POOL - WATER ANALYSIS REPORT

<b>Client Name: SERCO MIDDLE EAST</b>			
<b>Site Name:</b>	ZAYED UNIVERSITY	<b>Visit Date:</b>	07-04-2020
<b>Source of Sample</b>	Swimming Pool	<b>Sample Point</b>	Main Swimming Pool

### TEST RESULT

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.42
2	Conductivity at 25°C, µs/cm	---	815
3	TDS, ppm	Max 1500	529
4	Alkalinity	80 - 120	87
5	Calcium Hardness	200 - 500	234
6	Residual Chlorine	1.0 - 3.0	1.23
7	Cyanuric Acid	20 - 60	28
8	Dip slide	<10 <sup>3</sup>	ND

\*\*\* All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos).

### COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit – No action Recommended.

Reported By,  
*P. Murugaraj*  
Murugaraj  
Service Engineer

