

TEST REPORT

REPORT NO:-QMTL/R-77476

CLIENT: CRYSTALLINE ENVIRONMENTAL SERVICES		
P.O.Box.131463, Abu Dhabi, U.A.E Ph:02-6508930/0557167017		
ATTN:MR. JASMAN PINTO		
Product: Water	Sampling Method: APHA 9060 A	Sample ID: QMTL/S-77476
Reference: JUMEIRAH GOLF ESTATES	Sampled By: QMTL Representative	Date Received: 26.10.2019
Sample Description : Club House- Pump Room, Chilled Water Sample Onsite Temp: 13.1°C Sample Receipt Temp: 8°C	Source: Valve	Date(s) Tested: 26-28.10.2019
	Sample Container: 1X 500 ml PB	Date Reported: 29.10.2019
	Sample Appearance: Clear	Date of Sampling: 26.10.2019
On-Site Treatment: NA	Tested by Emp#: 74 & 55	Location: AUH

TEST RESULTS

PARAMETERS	TEST METHODS (APHA 23 RD EDITION)	UNITS	SPECIFICATIONS	RESULTS
MICROBIOLOGICAL ANALYSIS				
Total Bacterial Count	APHA 9215 B	CFU/ml	10,000	115
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 Cooling Water System with respect to the above tests only.

Key Words:- CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NA: Not Applicable

Report prepared by Emp#: 75

Test Method deviation : None

The above test results are only applicable to the sample(s) referred above

Reported By

ANILA GEORGE
LABORATORY MANAGER

The test Report shall not be reproduced (except in full) without the written approval of QMTL. When analysis is witnessed by us or carried out by sub contract labs, our responsibility is only to ensure that the analysis is conducted to standard test methods in accordance with industry accepted practice.

END OF REPORT



CONSULTING SERVICE REPORT

CUSTOMER: TAFAWUQ	To: Mr. SELVA KUMAR FACILITY MANAGER	DATE: 26-10-2019
CUSTOMER ID: 4055	Copy: TAFAWUQ	SITE: JUMEIRAH GOLF ESTATES

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLED WATER	
pH	9.0 - 10.5	10.32	
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	2210	
TDS, ppm	--	1436	
'P' Alkalinity, ppm as CaCO_3	--		
Total Hardness, ppm as CaCO_3	--		
Calcium Hardness, ppm as CaCO_3	--		
Chloride, ppm as Cl^-	--		
Iron, ppm as Fe	0 - 2.0	0.37	

Treatment Residuals

Nitrite, ppm	> 800	940	
CaH Balance			
Dipslide	<10 ³	ND	

All test results expressed in parts per million (ppm) as CaCO_3 except pH and conductivity (μmhos).

COMMENTS:

ACTION:

The pH levels are satisfactory	⇒	No action recommended.
Dissolved iron levels are found within control limits.	⇒	No action recommended.
Corrosion Inhibitor levels satisfactory	⇒	No action recommended.

Kindly add Crystal 5547 & Crystal 9040 to maintain the desired control parameters in the system.

Kindly install a dosing system to automatically dose the chemicals in the system

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
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Service Engineer:	MURUGARAJ	Client:	Mr. SELVA KUMAR
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Signature:		Signature:	
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