

TEST REPORT

REPORT NO:-QMTL/R-86754

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: NA	Sample ID: QMTL/S-86754
Reference: AL NOOR TOWER	Sampled By: Client Representative	Date Received: 04.01.2020
Sample Description : Chilled Water Sample Onsite Temp: 16°C Sample Receipt Temp: 27°C	Source: Valve	Date(s) Tested: 04.01.2020-06.01.2020
	Sample Container: 1x500 ml PB	Date Reported: 08.01.2020
	Sample Appearance: Clear	Date of Sampling/Time: 04.01.2020/01:30PM
On-Site Treatment: NA	Tested by Emp#: 55 & 74	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	<1
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#: 61

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 subcontract 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 FACILITIES MANAGEMENT

To: M/S TAFAWUQ FACILITIES MNGEMENT

DATE: 04-01-2020

SITE: AL NOOR TOWER

Copy: TAFAWUQ FM

LOCATION: CHILLER PLANT ROOM

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	PRIMARY TOWER A		
pH	9.0 - 10.5	10.32		
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1764		
TDS, ppm	--	1146		
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	0.38		
Treatment Residuals				
Nitrite, ppm	> 800	810		
Suspended Solids				
Phosphate/Phosphonate				
Free Residual Chlorine as Cl	--			
Cynaoric Acid				

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 Satisfactory	⇒	No action recommended.
Corrosion Inhibitor levels are Satisfactory	⇒	No action recommended.

INVENTORY LEVELS

DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ		Client:	M/S: TAFAWUQ
Signature :			Signature:	

