

TEST REPORT

REPORT NO: - QMTL/R-80373

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- 80373
Reference: HEALTHPOINT HOSPITAL	Sampled By: QMTL Representative	Date Received: 17.11.2019
Sample Description: P1- Chiller Plant Room, Chilled Water Sample Onsite Temp: 10°C Sample Receipt Temp: 4°C	Source: Valve	Date(s) Tested: 17-19.11.2019
	Sample Container: 1x500 ml PB	Date Reported: 23.11.2019
	Sample Appearance: Clear	Date of Sampling/Time: 17.11.2019/04:30PM
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	170
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 Systems 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 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



CONSULTIN SERVICE REPORT

CUSTOMER: EFS FACILITIES SERVICES - HEALTHPOINT HOSPITAL, ABU DHABI	To: Mr. ANJANEYAMOORTHI JR. OPERATION MANAGER	DATE: 14 -11-2019
CUSTOMER ID: 4003	Copy: EFS FACILITIES SERVICES - HEALTHPOINT	

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLER SAMPLE			
pH	8.5 - 10.5	9.16			
Conductivity, $\mu\text{s}/\text{cm}$	Max 3500	1120			
TDS, ppm	--	728			
'P' Alkalinity, ppm as CaCO_3	--				
Total Hardness, ppm as CaCO_3	--				
Calcium Hardness, ppm as	--				
Chloride, ppm as Cl^-	--				
Iron, ppm as Fe	0 - 2.0	0.53			
Treatment Residuals					
Nitrite, ppm	>800	210			
CaH Balance					
Dip slide	<10 ³	ND			
Phosphate/Phosphonate					
Free Residual Chlorine as Cl	--				
Cynauric Acid					

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. \Rightarrow	No action recommended.
Dissolved iron levels are within the control limits. \Rightarrow	No action recommended.
Corrosion Inhibitor levels are very low \Rightarrow	Please maintain the desired control limit
Bacteria count found satisfactory. \Rightarrow	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	

Service Engineer:	MURUGARAJ	Client:	Mr. ANJANEYA MOORTHI
Signature :		Signature:	

