

TEST REPORT

Report No: QMTL/R-153778/2021

CLIENT : CRYSTALLINE ENVIRONMENTAL SERVICES Abu Dhabi PO Box : 131463 United Arab Emirates		Sample ID	QMTL/S-153778
ATTN : MR. JASMAN PINTO		Date Received	17 Mar 2021
		Date(s) Tested	17 Mar 2021 - 19 Mar 2021
		Date Reported	07 Apr 2021
Sample Description	Chilled Water		
Sample Type	Water	Sampling Method	QMTL-WI-15
Client Name/Project	NP	Sampled By	QMTL Representative
Location	Healthpoint Hospital, Abu Dhabi	Sampling Date/Time	17.03.2021 / 1:00 PM
Sample Container	1x500ml PB	Sampling Point	P1 - ETS Plant Room
Sample Receipt Temp	4°C	Sample Onsite Temp	18°C
Sample Appearance	Clear	On-site Treatment	NA
Reference	NP		

TEST RESULTS

PARAMETERS	TEST METHODS	UNITS	GUIDELINES	RESULTS
MICROBIOLOGICAL PARAMETERS				
Total Bacterial Count*	APHA 9215 B -23rd Edition	CFU/ml	10,000	190
Total Coliforms*	APHA 9222 B -23rd Edition	CFU/100 ml	-	Zero
Fecal Coliforms*	APHA 9222 D -23rd Edition	CFU/100 ml	-	Zero
Pseudomonas aeruginosa*	APHA 9213 E -23rd Edition	CFU/100 ml	-	Zero
E.coli*	APHA 9222 I -23rd Edition	CFU/100 ml	-	Zero

The Analysis results denoted by (*) are part of the laboratory ENAS Accreditation to ISO/IEC 17025 : 2017.

Remarks	The sample meets DM Water Systems quality (2010) specifications for Cooling Water Systems with respect to the above tests only.
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Keywords	CFU: Colony Forming Unit, APHA: American Public Health Association, DM: Dubai Municipality, NP: Not Provided, NA: Not Applicable, WI: Work Instruction
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Test method deviation	None
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Test performed by Emp#	103 & 74
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Report prepared by Emp#	72
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The above test results are only applicable to the sample(s) referred above.

Reported By

ANILA GEORGE

LABORATORY MANAGER

This report is system generated, signature, stamp/ seal are not required.

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 solely 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: 17-03-2021
CUSTOMER ID: 4003	Copy: EFS FACILITIES SERVICES - HEALTHPOINT	SAMPLE LOCATION: LEVEL-P 1 ETS ROOM

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	CHILLER SAMPLE
pH	8.5 – 10.5	9.06
Conductivity, $\mu\text{s/cm}$	Max 3500	1037
TDS, ppm	--	
'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	0.81
Treatment Residuals		
Nitrite, ppm	>800	170
CaH Balance		
Dipslide	<10 ³	ND
Phosphate/Phosphonate		
Free Residual Chlorine as Cl	--	
Cynaunic Acid		

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

COMMENTS:	ACTION:
The pH, Conductivity & TDS Levels are 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

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
Crystal 5547C			--	
Crystal 9040			--	
			--	
Service Engineer:	MURUGARAJ	Client:	Mr. ANJANEYA MOORTHI	
Signature:	<i>Murugaraaj</i>	Signature:		

