

CLIENT: INSPIRE INTEGRATED
SITE: ETIHAD AIRWAYS ENGINEERING
ABU DHABI

VISIT DATE: 04 Jan 2021

CHILLED WATER ANALYSIS

Test	HANGER # 01	HANGER # 04	Zone A, ETS Room	Zone A HANGER # 06	Zone A, HANGER # 05
pH	9.12	10.43	10.57	10.08	10.85
	8.5 - 10.5	8.5 - 10.5	8.5 - 10.5	8.5 - 10.5	8.5 - 10.5
Conductivity, $\mu\text{s}/\text{cm}$	204	5140	1339	1618	2750
	< 3000	< 3000	< 3000	< 3000	< 3000
Total Dissolved Solid, ppm	132	3341	870	1051	1787
	< 1750	< 1750	< 1750	< 1750	< 1750
Iron, ppm as Fe	0.16	0.54	1.48	1.63	0.16
	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2
Nitrite, ppm	<100	>1250	410	530	830
	800 - 1000	800 - 1000	800 - 1000	800 - 1000	800 - 1000

*****All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μmhos).**

BUILDING	COMMENTS	ACTION
HANGER # 01	Nitrite levels are low	Please arrange to add the chemicals
HANGER # 04	Conductivity & Nitrite levels are high	Please arrange to drain the water
ZONE A, ETS ROOM	pH levels are slightly high & Nitrite levels is low	Please drain the water and arrange to add the chemical
ZONE A, HANGER # 06	Nitrite levels are low	Please arrange to add the chemicals
ZONE A, HANGER # 05	pH levels are high	Please arrange to drain the water

Reported By:


 Murugaraaj

Service Engineer



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CHILLED WATER ANALYSIS

Test	UTILITY ETS ROOM	HANGER # 03 A	Story Building # 04	Executive Building ETS Room	
pH	9.43	10.06	9.89	10.08	
	8.5 - 10.5	8.5 - 10.5	8.5 - 10.5	8.5 - 10.5	
Conductivity, $\mu\text{s}/\text{cm}$	184	2159	1584	1618	
	< 3000	< 3000	< 3000	< 3000	
Total Dissolved Solid, ppm	119	1403	1029	1051	
	< 1750	< 1750	< 1750	< 1750	
Iron, ppm as Fe	0.34	0.17	0.13	1.63	
	0 - 2	0 - 2	0 - 2	0 - 2	
Nitrite, ppm	<100	960	720	530	
	800 - 1000	800 - 1000	800 - 1000	800 - 1000	

*****All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (μmhos).**

BUILDING	COMMENTS	ACTION
UTILITY ETS ROOM	Nitrite levels are low	Please arrange to add the chemicals
HANGER # 03 A	All Parameters are within control limit	No action recommended
STORY BUILDING # 04	Nitrite levels are slightly low	Please arrange to add the chemical
EXECUTIVE BUILDING ETS ROOM	Nitrite levels are low	Please arrange to add the chemical

Reported By:


Murugaraaj

Service Engineer

