



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	
Site Location: City of Lights	Date: 08-12-2020
Sample Point: Sigma-1 C10 building ETS Room	Sampled By: Crystalline Rep

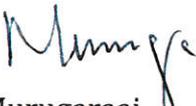
CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
pH	8.5 - 10.0	9.71
Conductivity, \square s/cm	<2250	2240
TDS, ppm	<1500	1456
Chlorides as Cl-, ppm	<150	100
Total Hardness, ppm	<100 ppm as CaCO ₃	86
Total Alkalinity, ppm	<250 ppm as CaCO ₃	108
Total Iron, ppm as Fe	<1.0 ppm as Fe ⁺⁺	0.13
Nitrite, ppm	800 - 1000 ppm as NaNO ₂	980

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

COMMENTS:	ACTION:
The pH level is satisfactory. \Rightarrow	No action recommended.
Conductivity/TDS are satisfactory \Rightarrow	No action recommended.
Dissolved iron levels are satisfactory \Rightarrow	No action recommended.
Nitrite levels are satisfactory \Rightarrow	No action recommended.

Reported By


Murugaraaj
Service Engineer





CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	
Site Location: City of Lights	Date: 08-12-2020
Sample Point: Sigma-2 C11 building ETS Room	Sampled By: Crystalline Rep

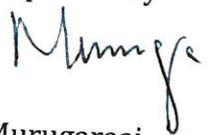
CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
pH	8.5 - 10.0	9.98
Conductivity, \square s/cm	<2250	2210
TDS, ppm	<1500	1436
Chlorides as Cl ⁻ , ppm	<150	90
Total Hardness, ppm	<100 ppm as CaCO ₃	82
Total Alkalinity, ppm	<250 ppm as CaCO ₃	100
Total Iron, ppm as Fe	<1.0 ppm as Fe ⁺⁺	0.07
Nitrite, ppm	800 - 1000 ppm as NaNO ₂	970

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

COMMENTS:	ACTION:
The pH level is satisfactory	⇒ No action recommended.
Conductivity/TDS are found satisfactory.	⇒ No action recommended.
Dissolved iron levels are satisfactory.	⇒ No action recommended.
Nitrite levels are within control limits.	⇒ No action recommended.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	
Site Location: City of Lights	Date: 08-12-2020
Sample Point: Omega C10-A building ETS Room (low zone)	Sampled By: Crystalline Rep

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
pH	8.5 - 10.0	9.98
Conductivity, \square s/cm	<2250	2440
TDS, ppm	<1500	1586
Chlorides as Cl ⁻ , ppm	<150	110
Total Hardness, ppm	<100 ppm as CaCO ₃	100
Total Alkalinity, ppm	<250 ppm as CaCO ₃	98
Total Iron, ppm as Fe	<1.0 ppm as Fe ⁺⁺	0.05
Nitrite, ppm	800 - 1000 ppm as NaNO ₂	1170

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

COMMENTS:	ACTION:
The pH level is satisfactory \Rightarrow	No action recommended.
Conductivity/TDS are slightly high \Rightarrow	Please maintain the desired control limit.
Dissolved iron levels are within control limit \Rightarrow	No action recommended.
Nitrite levels are high. \Rightarrow	Please maintain the desired control limits.

Reported By

Murugaraaj

Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

CUSTOMER: TAFAWUQ FACILITY MANAGEMENT	
Site Location: City of Lights	Date: 08-12-2020
Sample Point: Omega C10-A building ETS Room (high zone)	Sampled By: Crystalline Rep

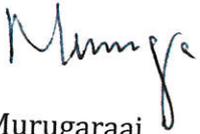
CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
pH	8.5 - 10.0	10.41
Conductivity, μ s/cm	<2250	2670
TDS, ppm	<1500	1735
Chlorides as Cl ⁻ , ppm	<150	115
Total Hardness, ppm	<100 ppm as CaCO ₃	70
Total Alkalinity, ppm	<250 ppm as CaCO ₃	74
Total Iron, ppm as Fe	<1.0 ppm as Fe ⁺⁺	0.10
Nitrite, ppm	800 - 1000 ppm as NaNO ₂	1070

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

COMMENTS:	ACTION:
The pH level is high.	⇒ Please maintained desired control limits.
Conductivity/TDS are high	⇒ Please maintain the desired control limit.
Dissolved iron levels are within control limit	⇒ No action recommended.
Nitrite levels are high.	⇒ Please maintain the desired control limits.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW