



TEST REPORT

Sample Number : SN-S-019/2010-00037
Report Number : AISL-RP-20-3091-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Chiller water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower A, Podium Level 03, ETS Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: 500ml	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 11.7
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	370	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3091 is superseded by Report No. AISL-RP-20-3091-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

For Microbiology Parameter Results "<" symbol is considered as "Not Detected"

(-) Denotes no limit available

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TEST REPORT

Sample Number : SN-S-019/2010-00039
Report Number : AISL-RP-20-3090-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Chiller water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower A, Level 32, Lift Machine Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: 500ml	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 11.6
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	390	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3090 is superseded by Report No. AISL-RP-20-3090-Rev-1
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00033
Report Number : AISL-RP-20-3095-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower B, Podium Level 03, ETS Room Tower B & C (Tower C)	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: Not specified	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 17.5
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	400	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3095 is superseded by Report No. AISL-RP-20-3095-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00040
Report Number : AISL-RP-20-3089-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower B, Level 28, Lift Machine Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: 500ml	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 19.2
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	290	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3089 is superseded by Report No. AISL-RP-20-3089-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00034
Report Number : AISL-RP-20-3094-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Chiller Water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower C, Podium Level 03, ETS Room Tower B & C (Tower C)	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: Not specified	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 6.1
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	370	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3094 is superseded by Report No. AISL-RP-20-3094-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

For Microbiology Parameter Results "<" symbol is considered as "Not Detected"

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TEST REPORT

Sample Number : SN-S-019/2010-00042
Report Number : AISL-RP-20-3088-Rev-1
Report Date : 02/11/2020



Customer	Name : Crystalline Cleaning & Environmental Services
	Address and Location : Abu Dhabi, UAE
Project No	: Not specified
Project Name	: Not specified
Project Location	: Rihan Heights
Project Consultant	: Not specified
Sample Description	: Chiller Water
Sampling Method	: APHA 9060 A
Sample Delivered By	: AISL Rep
Date of Analysis	: 13/10/2020 ~ 16/10/2020
Brand	: Not specified
Origin	: Tower C, Level 21, Lift Machine Room, Chilled Water
Net wt./volume per unit	: 500ml
No. of Unit	: 01
Packaging Type	: Sterile Bottle
Physical Observations	: Satisfactory
	Sampled By : AISL Rep
	Client Ref.No : Not specified
	Test Conducted By : SMK
	Sampling Date/Time : 13/10/2020 . 10:27 am
	Receiving Date/Time : 13/10/2020 . 02:30 pm
	Production Date : Not specified
	Expiry Date : Not specified
	Condition of Sample °C : 6.3

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	210	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None,Report No,AISL-RP-20-3088 is superseded by Report No.AISL-RP-20-3088-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00035
Report Number : AISL-RP-20-3093-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Tower D - P3 Basement Chiller	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower D, Podium level 03, ETS Equipment Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: Not specified	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 6.0
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	280	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3093 is superseded by Report No. AISL-RP-20-3093-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00048
Report Number : AISL-RP-20-3087-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Chiller water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower D, Level 18, Lift Machine Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:36 pm
Net wt./volume per unit	: Not specified	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: PET Bottle	Condition of Sample °C : 7.6
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	350	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3087 is superseded by Report No. AISL-RP-20-3087-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00036
Report Number : AISL-RP-20-3092-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Chiller water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower E, Podium Level 03, ETS Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:30 pm
Net wt./volume per unit	: 500ml	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 5.8
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	230	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3092 is superseded by Report No. AISL-RP-20-3092-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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TEST REPORT

Sample Number : SN-S-019/2010-00049
Report Number : AISL-RP-20-3086-Rev-1
Report Date : 02/11/2020



Customer	Name	: Crystalline Cleaning & Environmental Services
	Address and Location	: Abu Dhabi, UAE
Project No	: Not specified	
Project Name	: Not specified	
Project Location	: Rihan Heights	
Project Consultant	: Not specified	
Sample Description	: Chiller Water	
Sampling Method	: APHA 9060 A	Sampled By : AISL Rep
Sample Delivered By	: AISL Rep	Client Ref.No : Not specified
Date of Analysis	: 13/10/2020 ~ 16/10/2020	Test Conducted By : SMK
Brand	: Not specified	Sampling Date/Time : 13/10/2020 - 10:27 am
Origin	: Tower E, Level 22, Lift Machine Room, Chilled Water	Receiving Date/Time : 13/10/2020 - 02:05 pm
Net wt./volume per unit	: 500ml	Production Date : Not specified
No. of Unit	: 01	Expiry Date : Not specified
Packaging Type	: Sterile Bottle	Condition of Sample °C : 7.2
Physical Observations	: Satisfactory	

TEST RESULTS

MICROBIOLOGICAL ANALYSIS

PARAMETERS	TEST METHODS	UNITS	RESULTS	SPECIFICATIONS
E. coli	APHA AWWA 23rd Ed.2017, 9222B&H	CFU/100ml	Absent	-
Fecal Coliforms	APHA AWWA 23rd Ed. 2017, 9222D	CFU/100ml	Absent	-
Heterotrophic Plate Count	APHA AWWA 23rd Ed. 2017, 9215B	CFU/ml	500	< 10000
Pseudomonas aeruginosa	APHA AWWA 23rd Ed. 2017, 9213 E	CFU/100ml	Absent	-
Total Coliforms	APHA AWWA 23rd Ed. 2017, 9222B	CFU/100ml	Absent	-

Remarks : None, Report No, AISL-RP-20-3086 is superseded by Report No. AISL-RP-20-3086-Rev-1.
Test Method Deviation : None
Reference Specification : DM-PH&SD, Rev No # 2,6/2010.

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CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower A, P3, ETS Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.42
Conductivity, \square s/cm	Max 3500	1356
TDS, ppm	--	881
Iron, ppm as Fe	0 - 2.0	0.10
Treatment Residuals		
Nitrite, ppm	> 800	750
Dipslide	<10 ³	ND

***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 found satisfactory. \Rightarrow	No action recommended.
Dissolved iron levels are satisfactory. \Rightarrow	No action recommended.
Nitrite levels are low. \Rightarrow	Please maintained control limits Above 800PPM.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	Chilled Water Line	Sample Point	Tower A, Level 32, Lift Machine Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.63
Conductivity, \square s/cm	Max 3500	1345
TDS, ppm	--	874
Iron, ppm as Fe	0 - 2.0	0.33
Treatment Residuals		
Nitrite, ppm	> 800	720
Dipslide	<10 ³	ND

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

COMMENTS:	ACTION:
The pH level is slightly high. \Rightarrow	Please maintained desired control limits
Conductivity/TDS are found satisfactory. \Rightarrow	No action recommended.
Dissolved iron levels are satisfactory. \Rightarrow	No action recommended.
Nitrite levels are low. \Rightarrow	Please maintained control limits Above 800PPM.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	Chilled Water Line	Sample Point	Tower B, P3, ETS Room, Chilled Water (Tower C)

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.72
Conductivity, μ s/cm	Max 3500	1536
TDS, ppm	--	998
Iron, ppm as Fe	0 - 2.0	0.31
Treatment Residuals		
Nitrite, ppm	> 800	690
Dipslide	<10 ³	ND

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

COMMENTS:	ACTION:
The pH level is high. \Rightarrow	Please maintained desired control limits
Conductivity/TDS are found satisfactory. \Rightarrow	No action recommended.
Dissolved iron levels are satisfactory. \Rightarrow	No action recommended.
Nitrite levels are low. \Rightarrow	Please maintained control limits Above 800PPM.

Reported By

Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower B, Level 28, Lift Machine Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.68
Conductivity, μ s/cm	Max 3500	1394
TDS, ppm	--	906
Iron, ppm as Fe	0 - 2.0	0.22
Treatment Residuals		
Nitrite, ppm	> 800	710
Dipslide	<10 ³	ND

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

COMMENTS:	ACTION:
The pH level is slightly high. ⇨	Please maintained desired control limits
Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are satisfactory. ⇨	No action recommended.
Nitrite levels are low. ⇨	Please maintained control limits Above 800PPM.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower C, P3, ETS Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 – 10.5	10.76
Conductivity, μ s/cm	Max 3500	1538
TDS, ppm	--	999
Iron, ppm as Fe	0 – 2.0	0.01
Treatment Residuals		
Nitrite, ppm	> 800	680
Dipslide	<10 ³	ND

***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 control limits
Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are satisfactory. ⇨	No action recommended.
Nitrite levels are low. ⇨	Please maintained control limits Above 800PPM.

Reported By

Murugaraa

Murugaraa
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower C, Level 21, Lift Machine Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.66
Conductivity, μ s/cm	Max 3500	1514
TDS, ppm	--	984
Iron, ppm as Fe	0 - 2.0	0.22
Treatment Residuals		
Nitrite, ppm	> 800	670
Dipslide	<10 ³	ND

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

COMMENTS:	ACTION:
The pH level is high. \Rightarrow	Please maintained desired control limits
Conductivity/TDS are found satisfactory. \Rightarrow	No action recommended.
Dissolved iron levels are satisfactory. \Rightarrow	No action recommended.
Nitrite levels are low. \Rightarrow	Please maintained control limits Above 800PPM.

Reported By

Murugaraaj
Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower D, P3, ETS Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.47
Conductivity, μ s/cm	Max 3500	1383
TDS, ppm	--	898
Iron, ppm as Fe	0 - 2.0	0.18
Treatment Residuals		
Nitrite, ppm	> 800	760
Dipslide	<10 ³	ND

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

COMMENTS:	ACTION:
The pH level is satisfactory \Rightarrow	No action recommended.
Conductivity/TDS are found satisfactory. \Rightarrow	No action recommended.
Dissolved iron levels are satisfactory. \Rightarrow	No action recommended.
Nitrite levels are low. \Rightarrow	Please maintained control limits Above 800PPM.

Reported By

Murugaraa

Murugaraa
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower D, Level 18, Lift Machine Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.44
Conductivity, μ s/cm	Max 3500	1373
TDS, ppm	--	892
Iron, ppm as Fe	0 - 2.0	0.30
Treatment Residuals		
Nitrite, ppm	> 800	810
Dipslide	<10 ³	ND

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

COMMENTS:	ACTION:
The pH level is found satisfactory. \Rightarrow	No action recommended.
Conductivity/TDS are found 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



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower E, P3, ETS Room, Chilled Water

CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.76
Conductivity, μ s/cm	Max 3500	1522
TDS, ppm	--	989
Iron, ppm as Fe	0 - 2.0	0.16
Treatment Residuals		
Nitrite, ppm	> 800	690
Dipslide	<10 ³	ND

***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 found satisfactory. ⇨	No action recommended.
Dissolved iron levels are satisfactory. ⇨	No action recommended.
Nitrite levels are low. ⇨	Please maintained control limits Above 800PPM.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	13-10-2020
Source of Sample	CHILLED WATER LINE	Sample Point	Tower E, Level 22, Lift Machine Room, Chilled Water

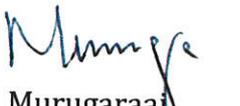
CHILLED WATER ANALYSIS

PARAMETER	CONTROL LIMITS	RESULTS
Ph	9.0 - 10.5	10.70
Conductivity, μ s/cm	Max 3500	1517
TDS, ppm	--	986
Iron, ppm as Fe	0 - 2.0	0.23
Treatment Residuals		
Nitrite, ppm	> 800	720
Dipslide	<10 ³	ND

***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 found satisfactory. ⇨	No action recommended.
Dissolved iron levels are satisfactory. ⇨	No action recommended.
Nitrite levels are low. ⇨	Please maintained control limits Above 800PPM.

Reported By


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW