



**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41046



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40562

Sampling Date	: 06/04/2021	Report Date.	: 10/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 09/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: APHA 9060 A&B
Temperature °C	: 23	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 5 Waste Room
Sampling Point	: Tap	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 5

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41045



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40561

Sampling Date	: 06/04/2021	Report Date.	: 10/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 09/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: APHA 9060 A&B
Temperature °C	: 24	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 21 Pump room WaterTank 3
Sampling Point	: Tank	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 4

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41044



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40560

Sampling Date	: 06/04/2021	Report Date.	: 10/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 09/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: APHA 9060 A&B
Temperature °C	: 23	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 21 Pump room WaterTank 2
Sampling Point	: Tank	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 3

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41043



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40559

Sampling Date	: 06/04/2021	Report Date.	: 10/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 09/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: APHA 9060 A&B
Temperature °C	: 25	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 21 Pump room WaterTank 1
Sampling Point	: Tank	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 2

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Microbiology Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41042



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40558

Sampling Date	: 06/04/2021	Report Date.	: 10/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 09/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: APHA 9060 A&B
Temperature °C	: 24	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level P3 Pump room WaterTank 1
Sampling Point	: Tank	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 1

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	-
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; APHA-American Public Health Association; CCFRA-Campden Chorleywood Food Research Association.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Legionella Test Report**

**Customer Details**

Report No. WA-R-L-2104-41053

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40569

Sampling Date	: 06/04/2021	Report Date.	: 17/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 16/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: BS7592
Temperature °C	: 23	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 5 Waste Room
Sampling Point	: Tap	Preservation	: 10°C
Sample Description	: Water	Samplerrefno	: 5

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1.0CFU/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41052



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40568

Sampling Date	: 06/04/2021	Report Date.	: 17/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 16/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: BS7592
Temperature °C	: 24	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 21 Pump room WaterTank 3
Sampling Point	: Tank	Preservation	: 10°C
Sample Description	: Water	Samplerrefno	: 4

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1.0CFU/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41051



Request No.	: WA-Q-L-2104-05726	Received Date :	06/04/2021	Sample No. :	WA-S-L-2104-40567
Sampling Date	: 06/04/2021	Report Date.	: 17/04/2021		
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 16/04/2021		
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah		
Sample Identification	: Not given	Sample Submitted as	: Water		
Sample Certificate No	: 4293	Sampling Method	: BS7592		
Temperature °C	: 23	Site Observation	: Clear		
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 21 Pump room WaterTank 2		
Sampling Point	: Tank	Preservation	: 10°C		
Sample Description	: Water	Samplerrefno	: 3		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1.0CFU/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41050



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40566

Sampling Date	: 06/04/2021	Report Date.	: 17/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 16/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: BS7592
Temperature °C	: 25	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level 21 Pump room WaterTank 1
Sampling Point	: Tank	Preservation	: 10°C
Sample Description	: Water	Samplerrefno	: 2

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1.0CFU/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE.

Report No. WA-R-L-2104-41049



Request No. : WA-Q-L-2104-05726 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40565

Sampling Date	: 06/04/2021	Report Date.	: 17/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 16/04/2021
Sample Location.	: Rihan Heights Tower E	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4293	Sampling Method	: BS7592
Temperature °C	: 24	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Level P3 Pump room WaterTank 1
Sampling Point	: Tank	Preservation	: 10°C
Sample Description	: Water	Samplerrefno	: 1

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1.0CFU/L

Note : Limit of Detection=<1CFU/L

Procedure: WSOP-MB-0051 Direct Placing of Membrane on BCYE+L-Cysteine/Membrane Filter Followed by Washing Procedure in Funnel.

Limits based on Water Quality Regulations 2021. Document no. DoE/PD/R01/003. Table F – Microbiological Parameters.

**Remarks :The tested results of the sample are found to be satisfactory within the specified limits.**

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization.

**Signed for and on behalf of Wimpey Laboratories**



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	Rihan Heights		
Sample Location	Tower E, Level-P3 Pump Room	Visit Date:	06-04-2021
Sample Point	Water Tank	Sampled By	Crystalline Rep

### PORTABLE WATER ANALYSIS

	Parameter	Control Limits	Results
1	pH at 25°C	7.0 - 9.2	8.37
2	Conductivity at 25°C, µs/cm	----	238
3	Total Dissolved Solids (TDS)	Max 1000	154
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Calcium Hardness at 25°C	200	66
7	Total Hardness at 25°C	300	76
<b>Inorganic Chemical Parameters</b>			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	56
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05
<b>Treatment Residuals</b>			
10	Residual Chlorine	0.2 - 0.5	0.46

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Calcium hardness and Total Hardness levels are satisfactory.
3	All inorganic parameters are within the control limit.

Reported By

Murugaraaj  
Service Engineer





# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	Rihan Heights		
Sample Location	Tower E, Level - 21	Visit Date:	06-04-2021
Sample Point	Water Tank # 01	Sampled By	Crystalline Rep

### PORTABLE WATER ANALYSIS

	Parameter	Control Limits	Results
1	pH at 25°C	7.0 - 9.2	8.36
2	Conductivity at 25°C, µs/cm	----	232
3	Total Dissolved Solids (TDS)	Max 1000	150
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Calcium Hardness at 25°C	200	68
7	Total Hardness at 25°C	300	76
<b>Inorganic Chemical Parameters</b>			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	53
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05
<b>Treatment Residuals</b>			
10	Residual Chlorine	0.2 - 0.5	0.37

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Calcium hardness and Total Hardness levels are satisfactory.
3	All inorganic parameters are within the control limit.

Reported By

*P. Murugaraaj*

Murugaraaj  
Service Engineer





# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	Rihan Heights		
Sample Location	Tower E, Level - 21	Visit Date:	06-04-2021
Sample Point	Water Tank # 02	Sampled By	Crystalline Rep

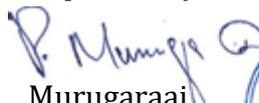
### PORTABLE WATER ANALYSIS

	Parameter	Control Limits	Results
1	pH at 25°C	7.0 - 9.2	8.29
2	Conductivity at 25°C, µs/cm	----	253
3	Total Dissolved Solids (TDS)	Max 1000	164
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Calcium Hardness at 25°C	200	69
7	Total Hardness at 25°C	300	78
<b>Inorganic Chemical Parameters</b>			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	59
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	Potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05
<b>Treatment Residuals</b>			
10	Residual Chlorine	0.2 - 0.5	0.34

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Calcium hardness and Total Hardness levels are satisfactory.
3	All inorganic parameters are within the control limit.

Reported By

  
Murugaraaj  
Service Engineer





# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	Rihan Heights		
Sample Location	Tower E, Level - 21	Visit Date:	06-04-2021
Sample Point	Water Tank # 03	Sampled By	Crystalline Rep

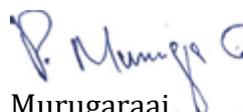
### PORTABLE WATER ANALYSIS

	Parameter	Control Limits	Results
1	pH at 25°C	7.0 - 9.2	8.48
2	Conductivity at 25°C, µs/cm	----	229
3	Total Dissolved Solids (TDS)	Max 1000	148
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Calcium Hardness at 25°C	200	69
7	Total Hardness at 25°C	300	76
<b>Inorganic Chemical Parameters</b>			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	55
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	Potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05
<b>Treatment Residuals</b>			
10	Residual Chlorine	0.2 - 0.5	0.30

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Calcium hardness and Total Hardness levels are satisfactory.
3	All inorganic parameters are within the control limit.

Reported By

  
Murugaraaj  
Service Engineer





# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	Rihan Heights		
Sample Location	Tower E, Level - 05	Visit Date:	06-04-2021
Sample Point	Waste Room - Tap Water	Sampled By	Crystalline Rep

### PORTABLE WATER ANALYSIS

	Parameter	Control Limits	Results
1	pH at 25°C	7.0 - 9.2	8.37
2	Conductivity at 25°C, µs/cm	----	238
3	Total Dissolved Solids (TDS)	Max 1000	154
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Calcium Hardness at 25°C	200	76
7	Total Hardness at 25°C	300	82
<b>Inorganic Chemical Parameters</b>			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	67
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	Potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05
<b>Treatment Residuals</b>			
10	Residual Chlorine	0.2 - 0.5	0.35

### COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal.
2	Calcium hardness and Total Hardness levels are satisfactory.
3	All inorganic parameters are within the control limit.

Reported By

Murugaraaj  
Service Engineer

