



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-2008-17295



Request No. : WA-Q-L-2008-02583

Sample No. : WA-S-L-2008-16698

Sampling Date	: 22/07/2020	Report Date.	: 26/07/2020
Analysis Start Date.	: 22/07/2020	Analysis End Date.	: 25/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, Tomouh Tower, Building 12
Sampling Point	: Basement RCC Tank	Sample Description	: Water

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

Note : Not Detected=<1CFU

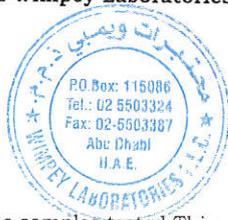
Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
SM	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D
Senior Microbiologist

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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-2008-17294



Request No. : WA-Q-L-2008-02583

Sample No. : WA-S-L-2008-16698

Sampling Date	: 22/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 22/07/2020	Analysis End Date.	: 01/08/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, Tomouh Tower, Building 12
Sampling Point	: Basement RCC Tank	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limit.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Units, ISO-International Organization for Standardization, BS-British Standards.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

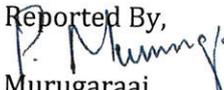
Client Name:	MARINA SQUARE	Visit Date:	22-07-2020
Sampled By:	Crystalline Rep	Location:	Zone A Tomouh Tower, Building-12,Basment Rcc tank

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.99
2	Conductivity at 25°C, µs/cm	----	228
3	Total Dissolved Solids (TDS)	Max 1000	148
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.36
7	Calcium Hardness at 25°C	200	79
8	Total Hardness at 25°C	300	85
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	61
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer





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-2008-17301



Request No. : WA-Q-L-2008-02585

Sample No. : WA-S-L-2008-16701

Sampling Date	: 20/07/2020	Report Date.	: 25/07/2020
Analysis Start Date.	: 20/07/2020	Analysis End Date.	: 23/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, A3b Building-14
Sampling Point	: Level 11 GRP Tank	Sample Description	: Water

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
SM	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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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-2008-17300



Request No. : WA-Q-L-2008-02585

Sample No. : WA-S-L-2008-16701

Sampling Date	: 20/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 20/07/2020	Analysis End Date.	: 30/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, A3b Building-14
Sampling Point	: Level 11 GRP Tank	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limit.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Units, ISO-International Organization for Standardization, BS-British Standards.

Signed for and on behalf of Wimpey Laboratories



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Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	20-07-2020
Sampled By:	Crystalline Rep	Location:	Zone A,A3b Building-14,Level-11

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.55
2	Conductivity at 25°C, µs/cm	----	252
3	Total Dissolved Solids (TDS)	Max 1000	163
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.28
7	Calcium Hardness at 25°C	200	79
8	Total Hardness at 25°C	300	88

Inorganic Chemical Parameters

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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj
Service Engineer





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-2008-17299



Request No. : WA-Q-L-2008-02585

Sample No. : WA-S-L-2008-16700

Sampling Date	: 20/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 20/07/2020	Analysis End Date.	: 30/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, A3b Building-15
Sampling Point	: Level 11 GRP Tank	Sample Description	: Water

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
SM	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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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-2008-17298



Request No. : WA-Q-L-2008-02585

Sample No. : WA-S-L-2008-16700

Sampling Date	: 20/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 20/07/2020	Analysis End Date.	: 30/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, A3b Building-15
Sampling Point	: Level 11 GRP Tank	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limit.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Units, ISO-International Organization for Standardization, BS-British Standards.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D
Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	20-07-2020
Sampled By:	Crystalline Rep	Location:	Zone A,A3b Building-15,Level-11

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.86
2	Conductivity at 25°C, µs/cm	----	221
3	Total Dissolved Solids (TDS)	Max 1000	143
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.21
7	Calcium Hardness at 25°C	200	75
8	Total Hardness at 25°C	300	82

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	68
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
P. Murugaraaj
Murugaraaj
Service Engineer





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-2008-17297



Request No. : WA-Q-L-2008-02584

Sample No. : WA-S-L-2008-16699

Sampling Date	: 18/07/2020	Report Date.	: 22/07/2020
Analysis Start Date.	: 18/07/2020	Analysis End Date.	: 21/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, Rak Tower Building 13
Sampling Point	: Level 18 GRP Tank	Sample Description	: Water

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

Note : Not Detected=<1CFU

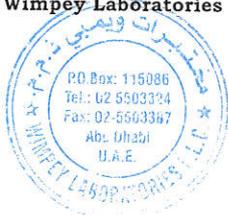
Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
SM	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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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-2008-17296



Request No. : WA-Q-L-2008-02584

Sample No. : WA-S-L-2008-16699

Sampling Date	: 18/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 18/07/2020	Analysis End Date.	: 28/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Not Applicable
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Zone A, Rak Tower Building 13
Sampling Point	: Level 18 GRP Tank	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limit.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Units, ISO-International Organization for Standardization, BS-British Standards.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	18-07-2020
Sampled By:	Crystalline Rep	Location:	Zone A Rak Tower, Building-13,Level-18

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.61
2	Conductivity at 25°C, µs/cm	----	237
3	Total Dissolved Solids (TDS)	Max 1000	154
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.31
7	Calcium Hardness at 25°C	200	72
8	Total Hardness at 25°C	300	80
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	64
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer





Microbiology Test Report

Report No. WA-R-L-2007-14463

Sample No. : WA-S-L-2007-13986



Customer Details

Crystalline Cleaning & Environmental Services

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

Request No. : WA-Q-L-2007-02137

Sampling Date	: 07/07/2020	Report Date.	: 11/07/2020
Analysis Start Date.	: 07/07/2020	Analysis End Date.	: 10/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Basement RCC Tank
Sampling Point	: Zone B1, Building 11	Preservation	: Not Applicable
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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

Senior Microbiologist



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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-2007-14462



Request No. : WA-Q-L-2007-02137

Sample No. : WA-S-L-2007-13986

Sampling Date	: 07/07/2020	Report Date.	: 18/07/2020
Analysis Start Date.	: 07/07/2020	Analysis End Date.	: 17/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Basement RCC Tank
Sampling Point	: Zone B1, Building 11	Preservation	: Not Applicable
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is 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

Senior Microbiologist

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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-2007-15037



Request No. : WA-Q-L-2007-02205

Sample No. : WA-S-L-2007-14555

Sampling Date	: 15/07/2020	Report Date.	: 23/07/2020
Analysis Start Date.	: 19/07/2020	Analysis End Date.	: 22/07/2020
Sample Location.	: Marine Square - B Zone Building 18	Sampled By	: Client
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: Not Given
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Water
Sampling Point	: Domestic Water Tank #1	Preservation	: Not Given
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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

Senior Microbiologist



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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-2007-15038



Request No. : WA-Q-L-2007-02205

Sample No. : WA-S-L-2007-14555

Sampling Date	: 15/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 19/07/2020	Analysis End Date.	: 29/07/2020
Sample Location.	: Marine Square - B Zone Building 18	Sampled By	: Client
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: Not Given
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Water
Sampling Point	: Domestic Water Tank #1	Preservation	: Not Given
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is 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

Senior Microbiologist

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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-2007-15039



Request No. : WA-Q-L-2007-02205

Sample No. : WA-S-L-2007-14556

Sampling Date	: 15/07/2020	Report Date.	: 23/07/2020
Analysis Start Date.	: 19/07/2020	Analysis End Date.	: 22/07/2020
Sample Location.	: Marine Square - B Zone Building 18	Sampled By	: Client
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: Not Given
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Water
Sampling Point	: Domestic Water Tank #2	Preservation	: Not Given
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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

Senior Microbiologist



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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-2007-15040



Request No. : WA-Q-L-2007-02205

Sample No. : WA-S-L-2007-14556

Sampling Date	: 15/07/2020	Report Date.	: 03/08/2020
Analysis Start Date.	: 19/07/2020	Analysis End Date.	: 29/07/2020
Sample Location.	: Marine Square - B Zone Building 18	Sampled By	: Client
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: Not Given
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Water
Sampling Point	: Domestic Water Tank #2	Preservation	: Not Given
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters

Remarks : The tested result of the sample is 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

Senior Microbiologist

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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-2007-14461



Sample No. : WA-S-L-2007-13985

Request No. : WA-Q-L-2007-02136

Sampling Date	: 06/07/2020	Report Date.	: 18/07/2020
Analysis Start Date.	: 06/07/2020	Analysis End Date.	: 09/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Basement RCC Tank
Sampling Point	: Zone B2, Building 10	Preservation	: Not Applicable
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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

Senior Microbiologist



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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-2007-14460



Sample No. : WA-S-L-2007-13985

Request No. : WA-Q-L-2007-02136

Sampling Date	: 06/07/2020	Report Date.	: 18/07/2020
Analysis Start Date.	: 06/07/2020	Analysis End Date.	: 16/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Basement RCC Tank
Sampling Point	: Zone B2, Building 10	Preservation	: Not Applicable
Sample Description	: Water		

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

Note : Limit of Detection= \leq 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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is 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

Senior Microbiologist



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POTABLE WATER ANALYSIS REPORT

Client Name:	Tatawuq Facility Management	Visit Date:	15-07-2020
Sampled By:	Crystalline Rep	Location:	Marina Square -B Zone, Building 18 RCC Domestic Tank # 01

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.96
2	Conductivity at 25°C, µs/cm	----	225
3	Total Dissolved Solids (TDS)	Max 1000	146
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.29
7	Calcium Hardness at 25°C	200	51
8	Total Hardness at 25°C	300	56
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	43
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
P. Murugaraaj
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	Tatawuq Facility Management	Visit Date:	15-07-2020
Sampled By:	Crystalline Rep	Location:	Marina Square -B Zone, Building 18 RCC Domestic Tank # 02

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.09
2	Conductivity at 25°C, µs/cm	----	236
3	Total Dissolved Solids (TDS)	Max 1000	153
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.26
7	Calcium Hardness at 25°C	200	48
8	Total Hardness at 25°C	300	53
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	42
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

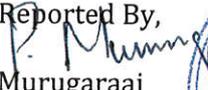
Client Name:	Tatawuq Facility Management	Visit Date:	15-07-2020
Sampled By:	Crystalline Rep	Location:	Marina Square -B2 Zone, Building 10 Basement RCC Tank

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.03
2	Conductivity at 25°C, µs/cm	----	242
3	Total Dissolved Solids (TDS)	Max 1000	157
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.30
7	Calcium Hardness at 25°C	200	53
8	Total Hardness at 25°C	300	58
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	43
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	Tatawuq Facility Management	Visit Date:	15-07-2020
Sampled By:	Crystalline Rep	Location:	Marina Square -B1 Zone, Building 11 Basement RCC Tank

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	7.84
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	----	263
3	Total Dissolved Solids (TDS)	Max 1000	171
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.26
7	Calcium Hardness at 25°C	200	51
8	Total Hardness at 25°C	300	56

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	39
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level within the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer





Microbiology Test Report

Customer Details

Report No. WA-R-L-2007-13156

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2007-01967

Sample No. : WA-S-L-2007-12715

Sampling Date : 01/07/2020

Report Date. : 4/7/2020

Analysis Start Date. : 01/07/2020

Analysis End Date. : 4/7/2020

Sample Location. : Marina Square

Sampled By : Client Representative

Sample Identification : Not Applicable

Sample Submitted as : Water

Sample Certificate No : Not Applicable

Sampling Method : Not Applicable

Temperature °C : Not Applicable

Site Observation : Not Applicable

Sampling Container : Plastic Bottle

Source of Sample : CT1 Main Water Tank

Sampling Point : Basement

Preservation : Not Applicable

Sample Description : Water

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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.



مختبرات ويمبي ذ م م
Wimpey Laboratories LLC

P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.
Tel: +971 2 5503324, Fax: +971 2 5503387



Testing - NAL 034

Microbiology Test Report

Report No. : WA-R-L-2007-13156

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist



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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-2007-13155



Request No.	: WA-Q-L-2007-01967	Sample No.	: WA-S-L-2007-12715
Sampling Date	: 01/07/2020	Report Date.	: 12/07/2020
Analysis Start Date.	: 01/07/2020	Analysis End Date.	: 11/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: CT1 Main Water Tank
Sampling Point	: Basement	Preservation	: Not Applicable
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limit.

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :CFU-Colony Forming Units, ISO-International Organization for Standardization, BS-British Standards.

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist



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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	01-07-2020
Sampled By:	Crystalline Rep	Location:	CT-1 BASEMENT MAIN TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.51
2	Conductivity at 25°C, µs/cm	----	234
3	Total Dissolved Solids (TDS)	Max 1000	152
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.26
7	Calcium Hardness at 25°C	200	57
8	Total Hardness at 25°C	300	63

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	49
3	Iron	Max 0.2	<0.06
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	01-07-2020
Sampled By:	Crystalline Rep	Location:	CT-1 LEVEL28 RAW WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.43
2	Conductivity at 25°C, µs/cm	----	247
3	Total Dissolved Solids (TDS)	Max 1000	160
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.27
7	Calcium Hardness at 25°C	200	54
8	Total Hardness at 25°C	300	61
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	52
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

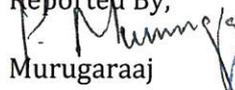
Client Name:	MARINA SQUARE	Visit Date:	01-07-2020
Sampled By:	Crystalline Rep	Location:	CT-1 LEVEL28 FILTER WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.47
2	Conductivity at 25°C, µs/cm	----	243
3	Total Dissolved Solids (TDS)	Max 1000	157
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.31
7	Calcium Hardness at 25°C	200	59
8	Total Hardness at 25°C	300	65
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	54
3	Iron	Max 0.2	<0.10
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer





Microbiology Test Report

Customer Details

Report No. WA-R-L-2006-12573

Crystalline Cleaning & Environmental Services

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



Request No.	: WA-Q-L-2006-01908	Sample No.	: WA-S-L-2006-12184
Sampling Date	: 24/06/2020	Report Date.	: 29/6/2020
Analysis Start Date.	: 25/06/2020	Analysis End Date.	: 28/6/2020
Sample Location.	: Marina Square, Abu Dhabi	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Raw Water Tank
Sampling Point	: CT 2 Basement - Building 7	Preservation	: Not Applicable
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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.



مختبرات ويمبي ذ م م
Wimpey Laboratories LLC

P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.
Tel: +971 2 5503324, Fax: +971 2 5503387



Microbiology Test Report

Report No. : WA-R-L-2006-12573

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist



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Legionella Test Report

Customer Details

Report No. WA-R-L-2006-12572

Crystalline Cleaning & Environmental Services

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



Request No.	: WA-Q-L-2006-01908	Sample No.	: WA-S-L-2006-12184
Sampling Date	: 24/06/2020	Report Date.	: 6/7/2020
Analysis Start Date.	: 25/06/2020	Analysis End Date.	: 5/7/2020
Sample Location.	: Marina Square, Abu Dhabi	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Raw Water Tank
Sampling Point	: CT 2 Basement - Building 7	Preservation	: Not Applicable
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is 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

Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	24-06-2020
Sampled By:	Crystalline Rep	Location:	CT-2 BASEMENT MAIN TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.49
2	Conductivity at 25°C, µs/cm	----	236
3	Total Dissolved Solids (TDS)	Max 1000	153
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.21
7	Calcium Hardness at 25°C	200	51
8	Total Hardness at 25°C	300	59
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	46
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	24-06-2020
Sampled By:	Crystalline Rep	Location:	CT-2 LEVEL28 RAW WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.35
2	Conductivity at 25°C, µs/cm	----	261
3	Total Dissolved Solids (TDS)	Max 1000	169
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.28
7	Calcium Hardness at 25°C	200	55
8	Total Hardness at 25°C	300	53
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	51
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

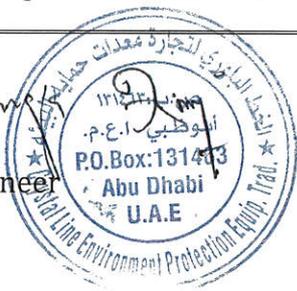
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	24-06-2020
Sampled By:	Crystalline Rep	Location:	CT-2 LEVEL28 FILTER WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.67
2	Conductivity at 25°C, µs/cm	----	258
3	Total Dissolved Solids (TDS)	Max 1000	167
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.27
7	Calcium Hardness at 25°C	200	53
8	Total Hardness at 25°C	300	62

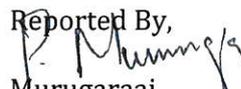
Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	51
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj
Service Engineer





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-2007-13372



Request No.	: WA-Q-L-2007-01995	Sample No.	: WA-S-L-2007-12916
Sampling Date	: 04/07/2020	Report Date.	: 07/07/2020
Analysis Start Date.	: 04/07/2020	Analysis End Date.	: 06/07/2020
Sample Location.	: Marina Square	Sampled By	: Client
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: Not Given
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Domestic Main Tank
Sampling Point	: CT3 B6 Basement	Preservation	: Not Given
Sample Description	: Water		

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

Note : Not Detected= \leq 1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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; BS EN ISO-British Standard European Norm International Organization for Standardization.





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Microbiology Test Report

Report No. : WA-R-L-2007-13372

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Legionella Test Report

Report No. WA-R-L-2007-13373



Customer Details

Crystalline Cleaning & Environmental Services

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

Request No.	: WA-Q-L-2007-01995	Sample No.	: WA-S-L-2007-12916
Sampling Date	: 04/07/2020	Report Date.	: 14/07/2020
Analysis Start Date.	: 04/07/2020	Analysis End Date.	: 14/07/2020
Sample Location.	: Marina Square	Sampled By	: Client
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: Not Given
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Plastic Bottle	Source of Sample	: RCC Domestic Main Tank
Sampling Point	: CT3 B6 Basement	Preservation	: Not Given
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is 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

Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	04-07-2020
Sampled By:	Crystalline Rep	Location:	CT-3 BASEMENT MAIN TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.36
2	Conductivity at 25°C, µs/cm	----	246
3	Total Dissolved Solids (TDS)	Max 1000	159
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.26
7	Calcium Hardness at 25°C	200	51
8	Total Hardness at 25°C	300	63

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	39
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level within the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	04-07-2020
Sampled By:	Crystalline Rep	Location:	CT-3 ROOF TOP RAW WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.31
2	Conductivity at 25°C, µs/cm	----	217
3	Total Dissolved Solids (TDS)	Max 1000	141
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.23
7	Calcium Hardness at 25°C	200	49
8	Total Hardness at 25°C	300	57

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	46
3	Iron	Max 0.2	<0.08
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

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

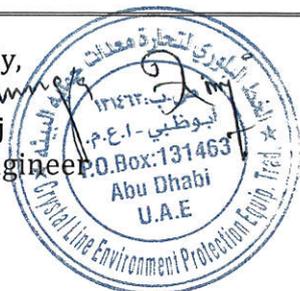
COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level within the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj

Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	04-07-2020
Sampled By:	Crystalline Rep	Location:	CT-3 ROOF TOP FILTER WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.69
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	Residual Chlorine	0.2 - 0.5	0.31
7	Calcium Hardness at 25°C	200	52
8	Total Hardness at 25°C	300	64

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	59
3	Iron	Max 0.2	<0.10
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer





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-2008-17293



Request No. : WA-Q-L-2008-02582

Sample No. : WA-S-L-2008-16697

Sampling Date	: 05/07/2020	Report Date.	: 09/07/2020
Analysis Start Date.	: 05/07/2020	Analysis End Date.	: 08/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: CT 5 Burooj Views Ground Level
Sampling Point	: Domestic Water Tank	Sample Description	: Water

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
SM	SM	None

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

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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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-2008-17292



Request No. : WA-Q-L-2008-02582

Sample No. : WA-S-L-2008-16697

Sampling Date	: 05/07/2020	Report Date.	: 16/07/2020
Analysis Start Date.	: 05/07/2020	Analysis End Date.	: 15/07/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: CT 5 Burooj Views Ground Level
Sampling Point	: Domestic Water Tank	Sample Description	: Water

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is found to be satisfactory within the specified limit.

Analyst	Reviewed By	Method Variation
SM	SM	None

Key Words :CFU-Colony Forming Units, ISO-International Organization for Standardization, BS-British Standards.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	05-07-2020
Sampled By:	Crystalline Rep	Location:	Zone C, CT5 Burooj Views, Level Ground Domestic tank

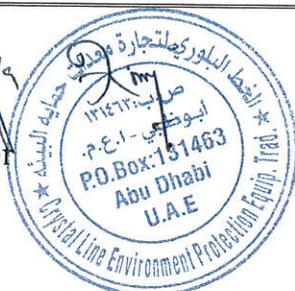
	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.40
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	----	247
3	Total Dissolved Solids (TDS)	Max 1000	160
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.25
7	Calcium Hardness at 25°C	200	77
8	Total Hardness at 25°C	300	86
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	68
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
P. Murrays
Murugaraaj
Service Engineer





Microbiology Test Report

Customer Details

Report No. WA-R-L-2006-11111

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES P.O.Box: 131463

Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE. Tel: 971 265 08930; Fax:

971 265 8942



Request No.	: WA-Q-L-2006-01748	Sample No.	: WA-S-L-2006-10846
Sampling Date/time	: 15/6/2020 , 16:30	Report Date.	: 18/6/2020
Analysis Start Date.	: 15/6/2020	Analysis End Date.	: 17/6/2020
Sample Location.	: Marina SQ Zone D1 - Hussain Tower	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 0898	Sampling Method	: APHA 9060 A & B
Temperature °C	: 37	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water D1
Sampling Point	: Level Basement Pump Room	Preservation	: 4-8°C
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
JY	SM	None

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





Microbiology Test Report

Report No. : WA-R-L-2006-11111

Signed for and on behalf of Wimpey Laboratories

Dr. Suresh Murugan Ph.D

Senior Microbiologist

Test results relate only to the samples tested.

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Legionella Test Report

Customer Details

Report No. WA-R-L-2006-11112

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES P.O.Box: 131463

Warehouse no: 84, M-45. Mussaffah, Abu Dhabi, UAE. Tel: 971 265 08930; Fax: 971 265 8942



Request No.	: WA-Q-L-2006-01748	Sample No.	: WA-S-L-2006-10847
Sampling Date/time	: 15/6/2020 , 16:30	Report Date.	: 25/6/2020
Analysis Start Date.	: 15/6/2020	Analysis End Date.	: 25/6/2020
Sample Location.	: Marina SQ Zone D1 - Hussain Tower	Sampled By	: Amin ullah
Sample Identification	: Not Given	Sample Submitted as	: Water
Sample Certificate No	: 0898	Sampling Method	: BS 7592
Temperature °C	: 37	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Domestic Water D1
Sampling Point	: Level Basement Pump Room	Preservation	: 10°C
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

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

Analyst	Reviewed By	Method Variation
JY	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

Senior Microbiologist

Test results relate only to the samples tested

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POTABLE WATER ANALYSIS REPORT

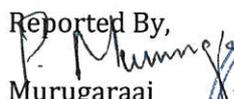
Client Name:	MARINA SQUARE	Visit Date:	15-06-2020
Sampled By:	Crystalline Rep	Location:	D1 BASEMENT MAIN TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.41
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	----	258
3	Total Dissolved Solids (TDS)	Max 1000	167
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.19
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	64
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	50
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	15-06-2020
Sampled By:	Crystalline Rep	Location:	D1 ROOF TOP RAW WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.32
2	Conductivity at 25°C, µs/cm	----	241
3	Total Dissolved Solids (TDS)	Max 1000	156
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.23
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	67

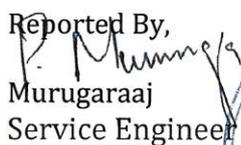
Inorganic Chemical Parameters

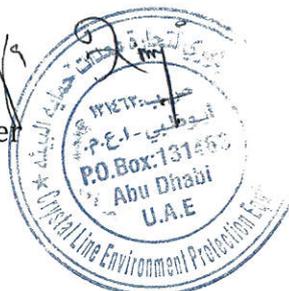
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	53
3	Iron	Max 0.2	<0.05
4	Copper	Max 1.0	<0.05
5	Zinc	Max 5.0	<0.05
6	Nitrate	Max 50.0	<1.0
7	Nitrite	Max 3.0	<0.05
8	Potassium	Max 12.0	<5.0
9	Aluminium	Max 0.2	<0.05

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer



POTABLE WATER ANALYSIS REPORT

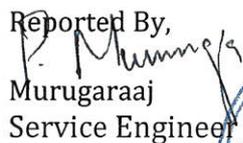
Client Name:	MARINA SQUARE	Visit Date:	15-06-2020
Sampled By:	Crystalline Rep	Location:	D1 ROOF TOP FILTER WATER FTANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.39
2	Conductivity at 25°C, $\mu\text{s/cm}$	---	253
3	Total Dissolved Solids (TDS)	Max 1000	164
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.26
7	Calcium Hardness at 25°C	200	58
8	Total Hardness at 25°C	300	63
Inorganic Chemical Parameters			
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

 Murugaraaj
 Service Engineer





Microbiology Test Report

Customer Details

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE. Tel: 971
265 08930; Fax: 971 265 8942

Report No. WA-R-L-2006-11936



Request No.	: WA-Q-L-2006-01844	Sample No.	: WA-S-L-2006-11546
Sampling Date	: 21/06/2020	Report Date.	: 24/6/2020
Analysis Start Date.	: 21/06/2020	Analysis End Date.	: 23/6/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Domestic Water Tank
Sampling Point	: D2 Zone	Preservation	: Not Applicable
Sample Description	: Water		

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

Note : Not Detected= \leq 1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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.



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P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.
Tel: +971 2 5503324, Fax: +971 2 5503387



Testing - NAL 034

Microbiology Test Report

Report No. : WA-R-L-2006-11936

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Legionella Test Report

Customer Details

Report No. WA-R-L-2006-11935

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE. Tel: 971 265 08930; Fax: 971 265 8942



Request No.	: WA-Q-L-2006-01844	Sample No.	: WA-S-L-2006-11546
Sampling Date	: 21/06/2020	Report Date.	: 1/7/2020
Analysis Start Date.	: 21/06/2020	Analysis End Date.	: 1/7/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Domestic Water Tank
Sampling Point	: D2 Zone	Preservation	: Not Applicable
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :CFU-Colony Forming Unit; BS-British Standard; ISO-International Organization for Standardization

Analyst	Reviewed By	Method Variation
HS	SM	None

Key Words :The tested result of the sample is found to be satisfactory within the specified limits.

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

Test results relate only to the samples tested.

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	21-06-2020
Sampled By:	Crystalline Rep	Location:	D2 ZONE BASEMENT MAIN TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.36
2	Conductivity at 25°C, µs/cm	----	264
3	Total Dissolved Solids (TDS)	Max 1000	171
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.29
7	Calcium Hardness at 25°C	200	57
8	Total Hardness at 25°C	300	62

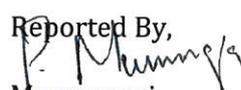
Inorganic Chemical Parameters

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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

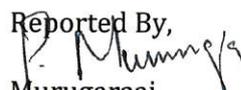
Client Name:	MARINA SQUARE	Visit Date:	21-06-2020
Sampled By:	Crystalline Rep	Location:	D2 ROOF TOP RAW WATER TANK

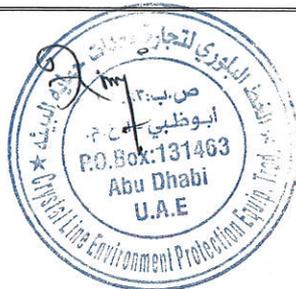
	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.46
2	Conductivity at 25°C, µs/cm	----	254
3	Total Dissolved Solids (TDS)	Max 1000	165
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.34
7	Calcium Hardness at 25°C	200	56
8	Total Hardness at 25°C	300	67
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	51
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,

Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	21-06-2020
Sampled By:	Crystalline Rep	Location:	D2 ROOF TOP FILTER WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.33
2	Conductivity at 25°C, µs/cm	----	246
3	Total Dissolved Solids (TDS)	Max 1000	159
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.27
7	Calcium Hardness at 25°C	200	53
8	Total Hardness at 25°C	300	61

Inorganic Chemical Parameters

1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	51
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level within the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Service Engineer





Microbiology Test Report

Customer Details

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE. Tel: 971 265 08930; Fax: 971 265 8942

Report No. WA-R-L-2006-11938



Request No.	: WA-Q-L-2006-01844	Sample No.	: WA-S-L-2006-11547
Sampling Date	: 21/06/2020	Report Date.	: 24/6/2020
Analysis Start Date.	: 21/06/2020	Analysis End Date.	: 23/6/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Domestic Water Tank
Sampling Point	: D3 Zone	Preservation	: Not Applicable
Sample Description	: Water		

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

Note : Not Detected=<1CFU

Limits based on RSB Water Quality Regulation 2014. Schedule 1. Table F For 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.



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Wimpey Laboratories LLC

P.O. Box 115086, Musaffah M-34, Abu Dhabi, U.A.E.
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Testing - NAL 034

Microbiology Test Report

Report No. : WA-R-L-2006-11938

Signed for and on behalf of Wimpey Laboratories



Dr. Suresh Murugan Ph.D

Senior Microbiologist

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Legionella Test Report

Customer Details

Report No. WA-R-L-2006-11937

CRYSTALLINE CLEANING & ENVIRONMENTAL SERVICES

P.O.Box: 131463 Warehouse no: 84, M-45. Mussafah, Abu Dhabi, UAE. Tel: 971 265 08930; Fax: 971 265 8942



Request No.	: WA-Q-L-2006-01844	Sample No.	: WA-S-L-2006-11547
Sampling Date	: 21/06/2020	Report Date.	: 1/7/2020
Analysis Start Date.	: 21/06/2020	Analysis End Date.	: 1/7/2020
Sample Location.	: Marina Square	Sampled By	: Client Representative
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Applicable	Sampling Method	: Not Applicable
Temperature °C	: Not Applicable	Site Observation	: Not Applicable
Sampling Container	: Plastic Bottle	Source of Sample	: Domestic Water Tank
Sampling Point	: D3 Zone	Preservation	: Not Applicable
Sample Description	: Water		

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	Zero/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 RSB Water Quality Regulation 2014. Schedule 1. Table F For Microbiological Parameters.

Remarks :The tested result of the sample is 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

Senior Microbiologist

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POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	21-06-2020
Sampled By:	Crystalline Rep	Location:	D3 BASEMENT MAIN TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.51
2	Conductivity at 25°C, $\mu\text{s/cm}$	----	245
3	Total Dissolved Solids (TDS)	Max 1000	159
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.23
7	Calcium Hardness at 25°C	200	57
8	Total Hardness at 25°C	300	68

Inorganic Chemical Parameters

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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer





POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	21-06-2020
Sampled By:	Crystalline Rep	Location:	D3 ROOF TOP RAW WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.38
2	Conductivity at 25°C, µs/cm	----	240
3	Total Dissolved Solids (TDS)	Max 1000	156
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 - 0.5	0.27
7	Calcium Hardness at 25°C	200	58
8	Total Hardness at 25°C	300	62
Inorganic Chemical Parameters			
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
P. Murugaraaj
Murugaraaj
Service Engineer



POTABLE WATER ANALYSIS REPORT

Client Name:	MARINA SQUARE	Visit Date:	21-06-2020
Sampled By:	Crystalline Rep	Location:	D3 ROOF TOP FILTER WATER TANK

	Parameter	Control Limits	Test Results
1	pH at 25°C	7.0 - 9.2	8.26
2	Conductivity at 25°C, µs/cm	----	239
3	Total Dissolved Solids (TDS)	Max 1000	155
4	Odor	Unobjectionable	ND
5	Turbidity (including suspended solids)	4.0	<1.0
6	Residual Chlorine	0.2 – 0.5	0.25
7	Calcium Hardness at 25°C	200	54
8	Total Hardness at 25°C	300	63
Inorganic Chemical Parameters			
1	Sulphate	Max 250.0	<10
2	Chlorides	Max 250.0	51
3	Iron	Max 0.2	<0.10
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

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

COMMENTS AND RECOMMENDATIONS

1	PH, Conductivity & TDS levels are normal
2	Residual chlorine level is low, kindly maintain the level with in the control limit
3	Calcium hardness and Total Hardness levels are satisfactory
4	All inorganic parameters are within the control limit

Reported By,
Murugaraaj
Murugaraaj
Service Engineer

