



Microbiology Test Report

Customer Details

Report No. WA-R-L-2102-36749

Crystalline Cleaning & Environmental Services

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



Request No. : WA-Q-L-2102-05187 Received Date : 27/02/2021 Sample No. : WA-S-L-2102-36281

Sampling Date	: 27/02/2021	Report Date.	: 03/03/2021
Analysis Start Date.	: 27/02/2021	Analysis End Date.	: 02/03/2021
Sample Location.	: Al Bandar	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 3976	Sampling Method	: APHA 9060 A&B
Temperature °C	: 30.9	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Main Pool
Sampling Point	: Swimming Pool	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 1

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
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	1000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero/100ml
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

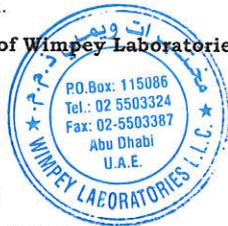
Limit based on: Guide to the Executive Regulations of Law No.(2) for the year of 2012 (Swimming Pool), Issued by the Head of Urban Planning and Municipalities No.(3) for the year 2018, Page No.3.

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

Test results relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the Laboratory. This is a LIMS software generated document with E Signature.

Form No: WARF-MB-01 Issue No.:01 Rev No:00 Issued Date:22-01-2020

- End of Text -



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-2102-36750



Request No. : WA-Q-L-2102-05187 Received Date : 27/02/2021 Sample No. : WA-S-L-2102-36282

Sampling Date	: 27/02/2021	Report Date.	: 03/03/2021
Analysis Start Date.	: 27/02/2021	Analysis End Date.	: 02/03/2021
Sample Location.	: Al Bandar	Sampled By	: Amin ullah
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 3976	Sampling Method	: APHA 9060 A&B
Temperature °C	: 30.4	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Kids Pool
Sampling Point	: Swimming Pool	Preservation	: 4-8°C
Sample Description	: Water	Samplerrefno	: 2

Parameters	Test Methods	Units	Results	Specification
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--
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	1000CFU/ml
Pseudomonas aeruginosa	CCFRA 2.5.2 5th Ed. 2007	CFU/250ml	Not Detected	Zero/100ml
Total Coliforms	APHA 9222 B 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml

Note : Not Detected=<1CFU

Limit based on: Guide to the Executive Regulations of Law No.(2) for the year of 2012 (Swimming Pool), Issued by the Head of Urban Planning and Municipalities No.(3) for the year 2018, Page No.3.

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

Test results relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the Laboratory. This is a LIMS software generated document with E Signature.

Form No: WARF-MB-01 Issue No.:01 Rev No:00 Issued Date:22-01-2020

- End of Text -



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-2103-38800



Request No. : WA-Q-L-2103-05454

Received Date : 27/02/2021

Sample No. : WA-S-L-2103-38328

Sampling Date : 27/02/2021

Report Date. : 03/03/2021

Analysis Start Date. : 27/02/2021

Analysis End Date. : 02/03/2021

Sample Location. : Al Bandar

Sampled By : Client

Sample Identification : Not Applicable

Sample Submitted as : Water

Sample Certificate No : 3464

Sampling Method : Not Applicable

Temperature °C : Not Given

Site Observation : Not Given

Sampling Container : Plastic Bottle

Source of Sample : Swimming Pool

Sampling Point : Lap Pool No. 1

Preservation : Not Applicable

Sample Description : Pool Water

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	1000CFU/ml
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/100ml
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on: Guide to the Executive Regulations of Law No.(2) for the year of 2012 (Swimming Pool),

Issued by the head of urban planning and municipalities No.(3) for the year 2018, Page No.3.

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

Head of Microbiology Department

Test results relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the Laboratory. This is a LIMS software generated document with E Signature.

Form No: WARF-MB-01 Issue No.:01 Rev No:00 Issued Date:22-01-2020

- End of Text -



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-2103-38801



Request No. : WA-Q-L-2103-05454 Received Date : 27/02/2021 Sample No. : WA-S-L-2103-38329

Sampling Date	: 27/02/2021	Report Date.	: 03/03/2021
Analysis Start Date.	: 27/02/2021	Analysis End Date.	: 02/03/2021
Sample Location.	: Al Bandar	Sampled By	: Client
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: 3464	Sampling Method	: Not Applicable
Temperature °C	: Not Given	Site Observation	: Not Given
Sampling Container	: Plastic Bottle	Source of Sample	: Swimming Pool
Sampling Point	: Lap Pool No. 2	Preservation	: Not Applicable
Sample Description	: Pool Water		

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	1000CFU/ml
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/100ml
Escherichia Coli	APHA 9222 B,H& I 23rd Ed. 2017	CFU/100ml	Not Detected	--

Note : Not Detected=<1CFU

Limit based on: Guide to the Executive Regulations of Law No.(2) for the year of 2012 (Swimming Pool), Issued by the head of urban planning and municipalities No.(3) for the year 2018, Page No.3.

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

Head of Microbiology Department

Test results relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the Laboratory. This is a LIMS software generated document with E Signature.

Form No: WARF-MB-01 Issue No.:01 Rev No:00 Issued Date:22-01-2020

- End of Text -



CRYSTALLINE ENVIRONMENTAL SERVICES

SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI

Site Name: Al Bhandar Village Visit Date: 27-02-2021

Sampled By: Crystalline Rep. Sample Point: Main Swimming Pool

TEST RESULT

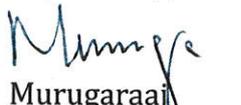
No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.51
2	Conductivity at 25°C, $\mu\text{s/cm}$	---	944
3	TDS, ppm	Max 1500	613
4	Alkalinity	80 - 120	88
5	Calcium Hardness	200 - 500	224
6	Residual Chlorine	1.0 - 3.0	1.32
7	Cyanuric Acid	20 - 60	26
8	Dip slide	$<10^3$	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action Recommended.

Reported By,


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
Site Name:	Al Bhandar Village	Site Name:	27-02-2021
Sampled By:	Crystalline Rep.	Sampled By:	Kids Swimming Pool

TEST RESULT

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.53
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	421
3	TDS, ppm	Max 1500	273
4	Alkalinity	80 - 120	86
5	Calcium Hardness	200 - 500	228
6	Residual Chlorine	1.0 - 3.0	1.24
7	Cyanuric Acid	20 - 60	23
8	Dip slide	$<10^3$	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action Recommended.

Reported By,


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI

Site Name: Al Bandar Village Visit Date: 27-02-2021

Sampled By: Crystalline Rep. Sample Point Lap Pool-01

TEST RESULT

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.53
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	1102
3	TDS, ppm	Max 1500	716
4	Alkalinity	80 - 120	90
5	Calcium Hardness	200 - 500	226
6	Residual Chlorine	1.0 - 3.0	1.13
7	Cyanuric Acid	20 - 60	22
8	Dip slide	$<10^3$	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action Recommended.

Reported By,


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW



CRYSTALLINE ENVIRONMENTAL SERVICES

SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
Site Name:	Al Bandar Village	Visit Date:	27-02-2021
Sampled By:	Crystalline Rep.	Sample Point	Lap Pool-02

TEST RESULT

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.51
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	1073
3	TDS, ppm	Max 1500	697
4	Alkalinity	80 - 120	91
5	Calcium Hardness	200 - 500	224
6	Residual Chlorine	1.0 - 3.0	1.16
7	Cyanuric Acid	20 - 60	24
8	Dip slide	$<10^3$	ND

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

COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action Recommended.

Reported By,


Murugaraaj
Service Engineer



CLEANER WATER GREENER TOMORROW