



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-2105-44230



Request No. : WA-Q-L-2105-06103	Received Date : 03/05/2021	Sample No. : WA-S-L-2105-43891
Sampling Date : 03/05/2021	Report Date. : 08/05/2021	
Analysis Start Date. : 03/05/2021	Analysis End Date. : 06/05/2021	
Sample Location. : Al Rayyana	Sampled By : Client rep	
Sample Identification : Not Applicable	Sample Submitted as : Water	
Sample Certificate No : Not Given	Sampling Method : APHA 9060 A&B	
Temperature °C : Not Given	Site Observation : Clear	
Sampling Container : Sterile Plastic Bottle	Source of Sample : Main Pool	
Sampling Point : Not Given	Preservation : 4 - 8°C	
Sample Description : Water	Samplerrefno : 1	

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	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
SN	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-2105-44231



Request No. : WA-Q-L-2105-06103 Received Date : 03/05/2021 Sample No. : WA-S-L-2105-43892

Sampling Date	: 03/05/2021	Report Date.	: 08/05/2021
Analysis Start Date.	: 03/05/2021	Analysis End Date.	: 06/05/2021
Sample Location.	: Al Rayyana	Sampled By	: Client rep
Sample Identification	: Not Applicable	Sample Submitted as	: Water
Sample Certificate No	: Not Given	Sampling Method	: APHA 9060 A&B
Temperature °C	: Not Given	Site Observation	: Clear
Sampling Container	: Sterile Plastic Bottle	Source of Sample	: Kids Pool
Sampling Point	: Not Given	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 2

Parameters	Test Methods	Units	Results	Specification
Faecal Coliforms	APHA 9222 D 23rd Ed. 2017	CFU/100ml	Not Detected	Zero/100ml
Heterotrophic plate count	APHA 9215 B 23rd Ed. 2017	CFU/ml	Not Detected	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
SN	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 -

SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
Site Name:	AL RAYYANA		
Sampled By	Crystalline Rep	Visit Date:	03-05-2021
Source of Sample	Swimming Pool	Sample Point	Main Swimming Pool

TEST RESULT

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.47
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	364
3	TDS, ppm	Max 1500	236
4	Alkalinity	80 - 120	94
5	Calcium Hardness	200 - 500	224
6	Residual Chlorine	1.0 - 3.0	1.23
7	Cyanuric Acid	20 - 60	27
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,

Murugaraj
Murugaraj
Service Engineer



SWIMMING POOL - WATER ANALYSIS REPORT

Client Name: TAFAWUQ FACILITY MANAGEMENT, ABU DHABI			
Site Name:	AL RAYYANA		
Sampled By	Crystalline Rep	Visit Date:	03-05-2021
Source of Sample	Swimming Pool	Sample Point	Kids 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, µs/cm	---	289
3	TDS, ppm	Max 1500	186
4	Alkalinity	80 - 120	88
5	Calcium Hardness	200 - 500	214
6	Residual Chlorine	1.0 - 3.0	1.10
7	Cyanuric Acid	20 - 60	23
8	Dip slide	<10 ³	ND

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

COMMENTS AND RECOMMENDATIONS

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

Reported By

Murugaraj
Murugaraj
Service Engineer

