



Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

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

Report No. WA-R-L-2104-41014



Request No. : WA-Q-L-2104-05723 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40523

Sampling Date	: 06/04/2021	Report Date.	: 10/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 08/04/2021
Sample Location.	: Rihan Heights Tower C	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4291	Sampling Method	: APHA 9060 A&B
Temperature °C	: 28	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Tower C Main Swimming Pool
Sampling Point	: Pool	Preservation	: 4 - 8°C
Sample Description	: Water	Samplerrefno	: 8

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

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**Legionella Test Report**

**Customer Details**

**Crystalline Cleaning & Environmental Services**

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

Report No. WA-R-L-2104-41020



Request No. : WA-Q-L-2104-05723 Received Date : 06/04/2021 Sample No. : WA-S-L-2104-40529

Sampling Date	: 06/04/2021	Report Date.	: 17/04/2021
Analysis Start Date.	: 06/04/2021	Analysis End Date.	: 16/04/2021
Sample Location.	: Rihan Heights Tower C	Sampled By	: Amin ullah
Sample Identification	: Not given	Sample Submitted as	: Water
Sample Certificate No	: 4291	Sampling Method	: BS7592
Temperature °C	: 28	Site Observation	: Clear
Sampling Container	: Sterile Plastic bottle	Source of Sample	: Tower C Main Swimming Pool
Sampling Point	: Pool	Preservation	: 10°C
Sample Description	: Water	Samplerrefno	: 6

Parameters	Test Methods	Units	Results	Specification
Legionella	ISO 11731: 2017	CFU/L	Not Detected	<1CFU/L

Note : Not Detected=<1CFU/L

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

Limit based on DM.Rev2.Dated 6/2010 for guidelines for control of legionella in water system. Public Safety Department.

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

Analyst	Reviewed By	Method Variation
SN	SM	None

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

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



**Dr. Suresh Murugan Ph.D**

Head of Microbiology Department

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# CRYSTALLINE ENVIRONMENTAL SERVICES

## CONSULTING TEST REPORT

Client Name: SERCO, MIDDLE EAST, ABUDHABI			
Site Name:	RIHAN HEIGHTS	Visit Date:	06-04-2021
Source of Sample	Swimming Pool	Sample Point	Main Swimming Pool

### SWIMMING POOL ANALYSIS

No	Parameter	Control limits	Test Results
1	pH at 25°C	7.2 - 7.6	7.57
2	Conductivity at 25°C, $\mu\text{s}/\text{cm}$	---	1653
3	TDS, ppm	Max 1500	1074
4	Alkalinity	80 - 120	94
5	Calcium Hardness	200 - 500	262
6	Residual Chlorine	1.0 - 3.0	1.43
7	Cyanuric Acid	20 - 60	47
8	Dip slide	$<10^3$	ND

\*\*\* All test results expressed in parts per million (ppm) as  $\text{CaCO}_3$  except pH and conductivity ( $\mu\text{mhos}$ ).

### COMMENTS AND RECOMMENDATIONS

- All Parameters are within control limit - No action recommended

Reported By

Murugaraaj  
Service Engineer

