

Report No.: RP-21-5682
Date: 14/12/2021

Sample No.: SA-21-5682
Request No.: RQ-21-5682

MICROBIOLOGY TEST REPORT

Client Name / Contractor	Crystalline Cleaning and Environmental Services		
Client Address	Abu Dhabi, UAE		
Project Name	Rihan Heights		
Project Address	Abu Dhabi, UAE		
Job Order No.	JO-21-012		
Sample Description	Water		
Sampling Date	06/12/2021; 11:00 AM	Sampled by	AML Representative
Receiving Date	09/12/2021; 04:00 PM	Received by	AML Representative
Location / Ref. No.	Rihan Heights	Delivered by	AML Representative
Source of Sample	Swimming Pool Water	Sample Type	Liquid
Sampling Method	NA	Sampling Point	Swimming Pool
Sample Size	1 X 1L	Sample Container	Plastic Bottle
On Site Observations / Tests	On Site Temp: NA, Received Temp 22.2°C	Appearance	Clear Liquid
On Site Preservation / Treatment	NA		

RESULTS OF ANALYSIS		DATE OF ANALYSIS		10/12/2021 - 13/12/2021	
PARAMETERS	TEST METHOD	UNIT	GUIDELINES [#]	RESULT	
Heterotrophic plate count	APHA 9215 B:2017 23 rd edition, Pourplate method, 35C/48h	CFU/ mL	1000	< 1	
Total Coliforms	APHA 9222 B:2017, 23rd edition	CFU/ 100mL	Zero	< 1	
Faecal Coliforms	APHA 9222 B & 9221E:2017, 23rd edition	CFU/ 100mL	Zero	< 1	
<i>Pseudomonas aeruginosa</i>	APHA 9213 E:2017, 23rd edition	Per 100mL	Zero	< 1	
<i>Enterococcus</i>	APHA 9230C:2017, 23rd edition	Presumptive Enterococci/100mL	Zero	< 1	
<i>Escherichia Coli</i>	APHA 9222 B & 9221F :2017, 23rd edition	CFU/ 100mL	Zero	< 1	

Key word: CFU-Colony forming units, APHA-American Public Health Association.
#Public Swimming Pools Safety Guidelines, Health & Safety Department Government of Dubai (DM-PH&SD-GU81-PSOS2)

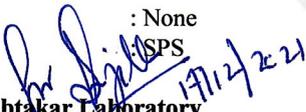
<1 is considered as not detected.

The above test results are only applicable to the sample referred above.

Test Method Variation : None

Reference : APHA AWWA - 23RD edition standard methods for the examination of water and waste water

Remarks : None

Tested by  SPS 17/12/21

For Almubtakar Laboratory
Dr. Karuna Jetty Ph.D
Head of Microbiology Department



END OF REPORT

CONSULTING SERVICE REPORT

Client: Serco Middle East

Project: Rihan heights, Abu Dhabi

Sampling Location: Rihan heights, Abu Dhabi

Date: 06-12- 2021

Sampling Point: Main Swimming Pool

Sampled By: Crystalline Representative

SWIMMING POOL WATER ANALYSIS

PARAMETER	CONTROL LIMITS	MAIN POOL	STATUS
pH	7.2 - 7.6	7.46	SATISFACTORY
TDS, ppm	Max 1000	815	SATISFACTORY
'P' Alkalinity, ppm as CaCO ₃	70 - 100	74	SATISFACTORY
Calcium Hardness, ppm as CaCO ₃	100 - 500	158	SATISFACTORY
Treatment Residuals			
Dipslide	<10 ³	ND	SATISFACTORY
Free Chlorine as Cl, mg/l	1.0 - 2.0	1.49	SATISFACTORY
Bromine, mg/l	2.0 - 4.0	--	N/A
Cyanuric Acid	20 - 60	38	SATISFACTORY

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

RECOMMENDATION:

1. ALL PARAMETERS ARE WITHIN CONTROL LIMIT.

SUMMARY:

The water analysis shows that all parameters within control limits.

"Certified that the Water Analysis Results has been tested * in accordance with the Standard Method, APHA-AWWA-WPCF,"

Reported By:


Murugaraaj
Service Engineer



END OF REPORT