



Microbiology Test Report

Customer Details

Crystalline Cleaning & Environmental Services

Office M201, Sheikha Shamsa Tower (C156), P.O. Box: 131463 Abu Dhabi, UAE

Report No. WA-R-L-2109-57219



Request No. : WA-Q-L-2109-07808 Received Date : 04/09/2021 Sample No. : WA-S-L-2109-57783

| | | | |
|-----------------------|--------------------------|---------------------|----------------------|
| Sampling Date | : 04/09/2021 | Report Date. | : 07/09/2021 |
| Analysis Start Date. | : 04/09/2021 | Analysis End Date. | : 06/09/2021 |
| Sample Location. | : Rihan Heights | Sampled By | : Client Rep |
| Sample Identification | : Not Given | Sample Submitted as | : Water |
| Sample Certificate No | : 374 | Sampling Method | : APHA 9060 A&B:2017 |
| Temperature °C | : Not Given | Site Observation | : Not Given |
| Sampling Container | : Sterile Plastic Bottle | Source of Sample | : Swimming Pool |
| Sampling Point | : Main Swimming Pool | Preservation | : 4 - 8°C |
| Sample Description | : Swimming Pool 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 |
| PS | 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.

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CONSULTING SERVICE REPORT

Client: Serco Middle East

Project: Rihan heights, Abu Dhabi

Sampling Location: Rihan heights, Abu Dhabi

Date: 04- 09- 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 | 7.36 | SATISFACTORY |
| TDS, ppm | Max 1000 | 879 | SATISFACTORY |
| 'P' Alkalinity, ppm as CaCO ₃ | 70 - 100 | 84 | SATISFACTORY |
| Calcium Hardness, ppm as CaCO ₃ | 100 - 500 | 154 | SATISFACTORY |
| Treatment Residuals | | | |
| Dipslide | <10 ³ | ND | SATISFACTORY |
| Free Chlorine as Cl, mg/l | 1.0 - 2.0 | 1.36 | SATISFACTORY |
| Bromine, mg/l | 2.0 - 4.0 | -- | N/A |
| Cyanuric Acid | 20 - 60 | 42 | SATISFACTORY |

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

RECOMMENDATION:

- All Parameters are within control limit.

SUMMARY:

The water analysis indicates a stable system.

"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