

MICROBIOLOGICAL & CHEMICAL ANALYSIS REPORT

Report ID: TS3663	Sample type: Fresh Water
Client: Manoel Island Petrol Station	Sampling location: Water Dispenser
Client Address: Triq ix-Xatt, Gzira	Sampling date/time: 06/10/18 12:00
	Sampling by: Assure Food & Water Safety

	Results	Limit	Method	Comments
Aerobic Colony Count (22°C)	17 cfu/ml	<= 100 cfu/ml	ISO 6222:1999	Result <u>Satisfactory</u> .
Aerobic Colony Count (37°C)	4 cfu/ml	<= 20 cfu/ml	ISO 6222:1999	Result <u>Satisfactory</u> .
Total coliforms	<1 cfu/100ml	<1 cfu/100ml	ISO 9308-1:2000	Result <u>Satisfactory</u> .
Faecal coliforms	<1 cfu/100ml	<1 cfu/100ml	ISO 9308-1:2000	Result <u>Satisfactory</u> .
Faecal streptococci	<1 cfu/100ml	<1 cfu/100ml	ISO 7899-2:2000	Result <u>Satisfactory</u> .
<i>Pseudomonas aeruginosa</i>	<1 cfu/100ml	<1 cfu/100ml	ISO 16266:2006	Result <u>Satisfactory</u> .

Ammonium – mg/l	<0.50	< 0.5	Comparator	Result <u>Satisfactory</u> .
Conductivity - $\mu\text{S cm}^{-1}$	287	2500	Electronic	Result <u>Satisfactory</u> .
Nitrite – mg/l	<0.05	<0.5	Comparator	Result <u>Satisfactory</u> .
pH	7.64	≥ 6.5 and ≥ 9.5	Electronic	Result <u>Satisfactory</u> .
Chloride – mg/l	66	< 250	Titrimetric	Result <u>Satisfactory</u> .
Colour	Colourless	Colourless	N/A	Result <u>Satisfactory</u> .
Odour	Acceptable	Acceptable	N/A	Result <u>Satisfactory</u> .
Taste	Acceptable	Acceptable	N/A	Result <u>Satisfactory</u> .

Action:

Water fit for human consumption.

Conclusion:

Microbiological and Chemical parameters comply with LN 17:2009 'Water intended for human consumption Regulations'.



Authorised By:

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