

CONSULTING SERVICE REPORT

CUSTOMER: SERCO MIDDLE EAST, ABUDHABI	DATE: 23-04-2020
SITE: SERCO ACCOMONDATION, ABUDHABI	SAMPLED BY: CRYSTALLINE REP

POTABLE WATER ANALYSIS

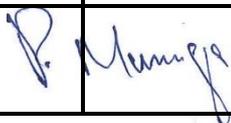
PARAMETER	CONTROL LIMITS	RCC TANK BASEMENT
pH at 25°C	7.0 – 9.2	8.77
Conductivity at 25°C, µs/cm	--	265
Total Dissolved Solids at 180°C (TDS)	1000 Max.	172
Total Hardness, ppm as CaCO ₃	300 Max.	55
Calcium Hardness, ppm as CaCO ₃	200 Max.	51
Chloride, ppm as Cl ⁻	250 Max.	49
Iron, ppm as Fe	0.2 Max.	<0.05
Zinc (Zn), mg/l	0.1 Max	<0.05
Sulphate	250 Max.	<10
Fluorides (F)	1.5 Max	<0.05

Treatment Residuals

Color, mg/l	15 Max.	Clear
Odor	Unobjectionable	ND
Turbidity in NTU	5 Max	<1

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

COMMENTS:	ACTION:
The pH and Conductivity/TDS are found satisfactory. ⇨	No action recommended.
Dissolved iron levels are within control limits ⇨	No action recommended.

Service Engineer:	MURUGARAJ P	Client:	M/S: SERCO MIDDLE EAST
Signature:		Signature:	





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POTABLE WATER ANALYSIS			
PARAMETER	CONTROL LIMITS	POTABLE WATER -1	
pH at 25°C	7.0 – 9.2	8.61	
Conductivity at 25°C, µs/cm	--	275	
Total Dissolved Solids at 180°C (TDS)	1000 Max.	178	
Total Hardness, ppm as CaCO ₃	300 Max.	61	
Calcium Hardness, ppm as CaCO ₃	200 Max.	39	
Chloride, ppm as Cl ⁻	250 Max.	48	
Iron, ppm as Fe	0.2 Max.	<0.05	
Zinc (Zn), mg/l	0.1 Max	<0.05	
Sulphate	250 Max.	<10	
Fluorides (F)	1.5 Max	<0.05	
Treatment Residuals			
Color, mg/l	15 Max.	Clear	
Odor	Unobjectionable	ND	
Turbidity in NTU	5 Max	<1	
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).			
COMMENTS:		ACTION:	
The pH and Conductivity/TDS are found satisfactory. ⇒		No action recommended.	
Dissolved iron levels are within control limits ⇒		No action recommended.	
Service Engineer:	MURUGARAJ P	Client:	M/S: SERCO, MIDDLE EAST, ABUDHABI
Signature:		Signature:	





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POTABLE WATER ANALYSIS			
PARAMETER	CONTROL LIMITS	POTABLE WATER -2	
pH at 25°C	7.0 – 9.2	8.86	
Conductivity at 25°C, µs/cm	--	248	
Total Dissolved Solids at 180°C (TDS)	1000 Max.	161	
Total Hardness, ppm as CaCO ₃	300 Max.	78	
Calcium Hardness, ppm as CaCO ₃	200 Max.	66	
Chloride, ppm as Cl ⁻	250 Max.	58	
Iron, ppm as Fe	0.2 Max.	<0.05	
Zinc (Zn), mg/l	0.1 Max	<0.05	
Sulphate	250 Max.	<10	
Fluorides (F)	1.5 Max	<0.05	
Treatment Residuals			
Color, mg/l	15 Max.	Clear	
Odor	Unobjectionable	ND	
Turbidity in NTU	5 Max	<1	
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).			
COMMENTS:		ACTION:	
The pH and Conductivity/TDS are found satisfactory. ⇨		No action recommended.	
Dissolved iron levels are within control limits ⇨		No action recommended.	
Service Engineer:	MURUGARAJ P	Client:	M/S: SERCO MIDDLE EAST
Signature:		Signature:	





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CUSTOMER: SERCO MIDDLE EAST, ABUDHABI		DATE: 23-04-2020	
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POTABLE WATER ANALYSIS			
PARAMETER	CONTROL LIMITS	HOT WATER	
pH at 25°C	7.0 – 9.2	8.54	
Conductivity at 25°C, µs/cm	--	249	
Total Dissolved Solids at 180°C (TDS)	1000 Max.	161	
Total Hardness, ppm as CaCO ₃	300 Max.	82	
Calcium Hardness, ppm as CaCO ₃	200 Max.	72	
Chloride, ppm as Cl ⁻	250 Max.	56	
Iron, ppm as Fe	0.2 Max.	<0.05	
Zinc (Zn), mg/l	0.1 Max	<0.05	
Sulphate	250 Max.	<10	
Fluorides (F)	1.5 Max	<0.05	
Treatment Residuals			
Color, mg/l	15 Max.	Clear	
Odor	Unobjectionable	ND	
Turbidity in NTU	5 Max	<1	
*** All test results expressed in parts per million (ppm) as CaCO₃ except pH and conductivity (µmhos).			
COMMENTS:		ACTION:	
The pH and Conductivity/TDS are found satisfactory. ⇨		No action recommended.	
Dissolved iron levels are within control limits ⇨		No action recommended.	
Service Engineer:	MURUGARAJ P	Client:	M/S: SERCO MIDDLE EAST
Signature:		Signature:	

