



## CONSULTING SERVICE REPORT

<b>Customer:</b> Farah Experiences LLC	<b>To:</b> Mr. Francise Naidu Hard Services Assistant Manager Operations	<b>Sampling Date:</b> 22-10-2019
<b>Sample Description:</b> GRP Water Tank # 01	<b>Sample Source:</b> Tank	<b>Sample collected by:</b> Crystalline Rep

### POTABLE WATER ANALYSIS

PARAMETER	UNITS	CONTROL LIMITS	TEST RESULT
pH at 25°C	---	7.0 - 9.2	8.12
Conductivity at 25°C,	µs/cm	--	227
Total Dissolved Solids (TDS)	mg/l	1000 Max.	147
Total Hardness, ppm as CaCO <sub>3</sub>	mg/l	300 Max.	57
Calcium Hardness, ppm as CaCO <sub>3</sub>	mg/l	200 Max.	53
Total Alkalinity	mg/l	--	34
Chloride, ppm as Cl <sup>-</sup>	mg/l	250 Max.	35
Iron, ppm as Fe	mg/l	0.2 Max.	<0.05
Sulphate (SO <sub>4</sub> ), mg/l	mg/l	250 Max.	<10
Copper (Cu), mg/l	mg/l	1 Max.	<0.05
Aluminum (Al),	mg/l	0.2 Max.	<0.05
Zinc (Zn), mg/l	mg/l	5 Max	<0.05
Nitrate (NO <sub>3</sub> <sup>-</sup> ), mg/l	mg/l	50 Max.	<1.0
Nitrite (NO <sub>2</sub> <sup>-</sup> ), mg/l	mg/l	3.0 Max.	<0.05
Fluorides (F)	mg/l	1.5 Max	<0.01
Potassium (K)	mg/l	12 Max.	<5.0
<b>Treatment Residuals</b>			
Odor	---	Unobjectionable	ND
Free Residual Chlorine as Cl	mg/l	0.2 - 0.5	0.43
Turbidity in NTU	NTU	4 Max	<1.0

All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
CRYSTAL SHC			--	--
			--	--
<b>Service Engineer:</b>	Murugaraaj		<b>Client:</b>	Francise Naidu
<b>Signature:</b>			<b>Signature:</b>	



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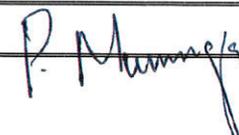
<b>Customer:</b> Farah Experiences LLC	<b>To:</b> Mr. Francise Naidu Hard Services Assistant Manager Operations	<b>Sampling Date:</b> 22-10-2019
<b>Sample Description:</b> GRP Water Tank # 02	<b>Sample Source:</b> Tank	<b>Sample collected by:</b> Crystalline Rep

### POTABLE WATER ANALYSIS

PARAMETER	UNITS	CONTROL LIMITS	TEST RESULT
pH at 25°C	---	7.0 – 9.2	8.18
Conductivity at 25°C,	µs/cm	--	224
Total Dissolved Solids (TDS)	mg/l	1000 Max.	145
Total Hardness, ppm as CaCO <sub>3</sub>	mg/l	300 Max.	56
Calcium Hardness, ppm as CaCO <sub>3</sub>	mg/l	200 Max.	51
Total Alkalinity	mg/l	--	33
Chloride, ppm as Cl <sup>-</sup>	mg/l	250 Max.	37
Iron, ppm as Fe	mg/l	0.2 Max.	<0.05
Sulphate (SO <sub>4</sub> ), mg/l	mg/l	250 Max.	<10
Copper (Cu), mg/l	mg/l	1 Max.	<0.05
Aluminum (Al),	mg/l	0.2 Max.	<0.05
Zinc (Zn), mg/l	mg/l	5 Max	<0.05
Nitrate (NO <sub>3</sub> <sup>-</sup> ), mg/l	mg/l	50 Max.	<1.0
Nitrite (NO <sub>2</sub> <sup>-</sup> ), mg/l	mg/l	3.0 Max.	<0.05
Fluorides (F)	mg/l	1.5 Max	<0.01
Potassium (K)	mg/l	12 Max.	<5.0
<b>Treatment Residuals</b>			
Odor	---	Unobjectionable	ND
Free Residual Chlorine as Cl	mg/l	0.2 – 0.5	0.40
Turbidity in NTU	NTU	4 Max	<1.0

All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> 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.
Chlorine Dioxide levels found satisfactory ⇨	No action recommended.

INVENTORY LEVELS			DOSAGE SCHEDULE	
Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
CRYSTAL SHC			--	--
				--
<b>Service Engineer:</b>	Murugaraaj		<b>Client:</b>	Francise Naidu
<b>Signature:</b>			<b>Signature:</b>	





## CONSULTING SERVICE REPORT

<b>Customer:</b> Farah Experiences LLC	<b>To:</b> Mr. Francise Naidu Hard Services Assistant Manager Operations	<b>Sampling Date:</b> 22-10-2019
<b>Sample Description:</b> Water Tap (Plant #04 )	<b>Sample Source:</b> Tap	<b>Sample collected by:</b> Crystalline Rep

### POTABLE WATER ANALYSIS

PARAMETER	UNITS	CONTROL LIMITS	TEST RESULT
pH at 25°C	---	7.0 - 9.2	8.18
Conductivity at 25°C,	µs/cm	--	231
Total Dissolved Solids (TDS)	mg/l	1000 Max.	152
Total Hardness, ppm as CaCO <sub>3</sub>	mg/l	300 Max.	63
Calcium Hardness, ppm as CaCO <sub>3</sub>	mg/l	200 Max.	54
Total Alkalinity	mg/l	--	37
Chloride, ppm as Cl <sup>-</sup>	mg/l	250 Max.	41
Iron, ppm as Fe	mg/l	0.2 Max.	<0.05
Sulphate (SO <sub>4</sub> ), mg/l	mg/l	250 Max.	<10
Copper (Cu), mg/l	mg/l	1 Max.	<0.05
Aluminum (Al),	mg/l	0.2 Max.	<0.05
Zinc (Zn), mg/l	mg/l	5 Max	<0.05
Nitrate (NO <sub>3</sub> <sup>-</sup> ), mg/l	mg/l	50 Max.	<1.0
Nitrite (NO <sub>2</sub> <sup>-</sup> ), mg/l	mg/l	3.0 Max.	<0.05
Fluorides (F)	mg/l	1.5 Max	<0.01
Potassium (K)	mg/l	12 Max.	<5.00

#### Treatment Residuals

Odor	---	Unobjectionable	ND
Free Residual Chlorine as Cl	mg/l	0.2 - 0.5	0.31
Turbidity in NTU	NTU	4 Max	<1.0

All test results expressed in parts per million (ppm) as CaCO<sub>3</sub> except pH and conductivity (µmhos).

#### COMMENTS:

The pH and Conductivity/TDS are found satisfactory. ⇨  
Dissolved iron levels are within control limits ⇨  
Chlorine Dioxide levels found satisfactory ⇨

#### ACTION:

No action recommended.  
No action recommended.  
No action recommended.

#### INVENTORY LEVELS

#### DOSAGE SCHEDULE

Chemical	Quantity	Chemical	Present Dosage	Revised Dosage
CRYSTAL SHC			--	--
			--	--
<b>Service Engineer:</b>	<b>Murugaraaj</b>	<b>Client:</b>	<b>Francise Naidu</b>	
<b>Signature:</b>		<b>Signature:</b>		

