

**DRINKING WATER QUALITY - YARWUN WATER TREATMENT PLANT – June 2019**

Parameter	Drinking Water Guidelines		Results			
	Aesthetic	Health	Unit of measure	Average	Minimum	Maximum
<b>pH</b>	6.5-8.5	-	-	7.12	7.01	7.26
<b>Colour</b>	15	-	HU	1	1	2
<b>Turbidity</b>	5	-	NTU	0.09	0.07	0.1
<b>Free Chlorine</b>	-	5	mg/L	2.49	2.08	2.96
<b>Total Chlorine</b>	-	5	mg/L	2.75	2.31	3.26
<b>Alkalinity</b>	-	-	mg/L as CaCO3	59	55	61
<b>Aluminium</b>	0.2	-	mg/L	0.037	0.024	0.054
<b>Iron</b>	0.3	-	mg/L	0.018	0.01	0.03
<b>Manganese</b>	0.1	0.5	mg/L	0.0002	0.000	0.0008
<b>Conductivity</b>	-	-	mS/cm	314	306	327
<b>Hardness</b>	200	-	mg/L as CaCO3	71	68	74
<b>Dissolved Oxygen</b>	>85	-	% saturation	87.9	85.2	89.5
<b><i>E. coli</i></b>	-	0	MPN/100ml	0	0	0
<b>Temperature</b>	-	-	C	20.2	19.7	20.5
<b>Total Cyanobacteria Count</b>	-	-	cells/100ml	15	0	30
<b>Total Trihalomethanes</b>	-	250	µg/L	18	18	18

