

## APS TEXTILE Water Treatment Plant



### Plant Description:

- Plant treats the well water for the factory.
- Treated water is used for the washing process at manufacturing.
- Contract is, process design, documenting, engineering, supply and operator training.

<b>Client:</b>	APS TEKSTİL A.Ş.
<b>Commissioned :</b>	2011
<b>Capacity:</b>	40 m <sup>3</sup> /d
<b>Discharge consent:</b>	Hardness <7 Fr , Ph < 7 , AKM < 10 mg/l , parasite : zero
<b>Brief description:</b>	Plant consists of pre filtration + Tandem softening + UV disinfection unit

### MBR Atıksu Arıtma Sistemleri Ltd.

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### Design Data

Flow: 40 m<sup>3</sup>/d (3,5 m<sup>3</sup>/hr)

### Influent Parameters:

PARAMETER	UNIT	VALUE
Conductivity	μS/cm	590
TDS	ppm	295
pH	-	7,3
Hardness	Fr	32
Chlor (Cl <sup>-</sup> )	ppm	30
P.Alkalinity (OH <sup>-</sup> ve CO <sub>3</sub> <sup>-</sup> )	ppm	0
M.Alkalinite (HCO <sub>3</sub> <sup>-</sup> )	ppm	200
Free chlor (Cl <sub>2</sub> )	ppm	0
Ammonium	ppm	0
Nitrite (NO <sub>2</sub> <sup>-</sup> )	ppm	0
Colour	-	non
SS	-	non
Odour	-	non

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### Treated Water Parameters:

PARAMETER	UNIT	VALUE
Conductivity	$\mu\text{S/cm}$	400
TDS	ppm	295
pH	-	7,0
Hardness	Fr	7
Chlor( $\text{Cl}^-$ )	ppm	30
P.Alkalinite ( $\text{OH}^-$ ve $\text{CO}_3^-$ )	ppm	0
M.Alkalinite ( $\text{HCO}_3^-$ )	ppm	150
Free Chlor ( $\text{Cl}_2$ )	ppm	0
Ammonium	ppm	0
Nitrite ( $\text{NO}_2^-$ )	ppm	0
Colour	-	non
SS	-	non
Odour	-	non