

| Parametre | Turkish Standards TS 266 2005 | World Health Organization (WHO) 2011 | Environment Protection Agency (EPA) 2008 | Europe Community (EC) 1998 | B. çekmece | İkitelli | Kağıthane | Ömerli | Cumhuriyet | Taşoluk |
|---|-------------------------------------|--|--|----------------------------------|------------|----------|-----------|----------|------------|----------|
| Turbidity (NTU) | 1,0 | 5,0 | 1,0 | 1,0 | 0,16 | 0,24 | 0,12 | 0,24 | 0,12 | 0,23 |
| PRIMARY STANDARDS (MICROBIOLOGICAL), cfu/100 mL | | | | | | | | | | |
| E.coli | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Enterococci | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Coliform Bacteria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PRIMARY STANDARDS (DISINFECTION BY-PRODUCTS), µg/L | | | | | | | | | | |
| Total Trihalomethanes | 100 | 460 | 80 | 100 | 29,1 | 16,4 | 19,1 | 18,6 | 38,5 | 8,2 |
| Bromate | 3 | 10 | 10 | 10 | <2,0 | <2,0 | <2,0 | <2,0 | <2,0 | <2,0 |
| PRIMARY STANDARDS (INORGANIC CHEMICALS), mg/L | | | | | | | | | | |
| Aluminium | 0,200 | 0,100 | 0,200 | 0,200 | 0,048 | 0,039 | 0,031 | 0,049 | 0,007 | 0,015 |
| Arsenic | 0,01 | 0,01 | 0,01 | 0,01 | 0,0004 | <0,0003 | <0,0003 | <0,0003 | <0,0003 | <0,0003 |
| Boron | 1,0 | 2,4 | - | 1,0 | 0,059 | 0,018 | 0,028 | 0,019 | 0,028 | 0,017 |
| Nickel | 0,02 | 0,02 | - | 0,02 | 0,003 | 0,001 | 0,001 | 0,001 | 0,001 | 0,001 |
| Barium | - | 0,7 | 2,0 | - | 0,044 | 0,025 | 0,023 | 0,032 | 0,023 | 0,027 |
| Cadmium | 0,005 | 0,003 | 0,005 | 0,005 | <0,0001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 |
| Chromium | 0,05 | 0,05 | 0,10 | 0,05 | 0,0003 | <0,0002 | <0,0002 | <0,0002 | <0,0002 | <0,0002 |
| Bromide | - | - | - | - | 0,04 | <0,02 | <0,02 | <0,02 | <0,02 | <0,02 |
| Fluoride | 1,5 | 1,5 | 2,0 | 1,5 | 0,11 | 0,03 | 0,05 | 0,05 | 0,05 | 0,04 |
| Cyanide | 0,05 | 0,07 | 0,20 | 0,05 | <0,03 | <0,03 | <0,03 | <0,03 | <0,03 | <0,03 |
| Lead | 0,01 | 0,01 | 0,015 | 0,010 | <0,0003 | <0,0003 | <0,0003 | <0,0003 | <0,0003 | <0,0003 |
| Mercury | 0,001 | 0,001 | 0,002 | 0,001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 |
| Nitrate | 50 | 50 | 45 | 50 | 11,09 | 2,25 | 2,90 | 2,34 | 4,09 | 1,79 |
| Selenium | 0,01 | 0,01 | 0,05 | 0,01 | 0,0004 | <0,0003 | 0,0003 | <0,0003 | <0,0003 | <0,0003 |
| Silver | - | 0,10 | 0,10 | - | <0,00002 | <0,00002 | <0,00002 | <0,00002 | <0,00002 | <0,00002 |
| Antimony | 0,005 | 0,020 | 0,006 | 0,005 | <0,0002 | <0,0002 | <0,0002 | <0,0002 | <0,0002 | <0,0002 |
| Berillium | -- | -- | 0,004 | - | <0,0001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 | <0,0001 |
| SECONDARY STANDARDS-AESTHETIC STANDARDS (mg/L) | | | | | | | | | | |
| Chloride | 250 | 250 | 250 | 250 | 55,6 | 24,9 | 36,5 | 24,7 | 44,6 | 24,1 |
| Color (PC units) | 20 | 15 | 15 | - | <2,0 | <2,0 | <2,0 | <2,0 | <2,0 | <2,0 |
| Copper | 2,0 | 2,0 | 1,0 | 2,0 | 0,002 | <0,001 | 0,001 | 0,002 | 0,001 | 0,001 |
| Iron | 0,2 | 0,3 | 0,3 | 0,2 | <0,005 | 0,009 | 0,010 | 0,007 | 0,022 | 0,007 |
| Manganese | 0,05 | 0,1 | 0,05 | 0,05 | <0,002 | <0,002 | <0,002 | 0,002 | <0,002 | 0,002 |
| Taste-Odor Causing Geosmin | - | - | - | - | 1,77 | 1,06 | 1,86 | 1,44 | 2,09 | 0,34 |
| Compounds ng/L MIB | - | - | - | - | <0,5 | <0,5 | <0,5 | 0,52 | 0,54 | <0,5 |
| pH | 6,5-9,5 | 6,5 - 8,0 | 6,5 - 8,5 | 6,5 - 9,5 | 7,32 | 7,39 | 7,06 | 7,29 | 6,79 | 7,32 |
| Sulphate | 250 | 500 | 250 | 250 | 79,1 | 42,9 | 68,3 | 25,3 | 17,4 | 45,0 |
| Total Dissolved Solids | - | 1000 | 500 | - | 345 | 202 | 238 | 214 | 181 | 198 |
| Zinc | - | 3,0 | 5,0 | - | <0,001 | 0,002 | 0,011 | 0,009 | 0,110 | 0,003 |
| ADDITIONAL PARAMETERS (mg/L) | | | | | | | | | | |
| Calcium | - | 300 | - | - | 65,5 | 50,0 | 50,8 | 57,0 | 38,4 | 47,7 |
| Hardness as (CaCO ₃) | - | 500 | - | - | 218 | 141 | 153 | 166 | 122 | 133 |
| Magnesium | - | - | - | - | 13,1 | 3,94 | 6,34 | 5,67 | 6,39 | 3,40 |
| Potassium | - | - | - | - | 4,21 | 2,40 | 3,00 | 1,72 | 2,62 | 2,15 |
| Sodium | 200 | 200 | - | 200 | 38,1 | 15,0 | 21,6 | 9,92 | 12,8 | 15,7 |
| Residual Chlorine | - | 5,0 | 4,0 | - | 1,31 | 1,15 | 1,17 | 1,12 | 1,40 | 1,50 |
| Ammonia | 0,5 | 1,5 | - | 0,5 | <0,05 | <0,05 | <0,05 | <0,05 | <0,05 | <0,05 |

1 -Turbidity, pH and residual chlorine values are the monthly average values of the plant operation laboratory.

2 - Other parameters are the monthly average values performed at the Brunch Directorate of Clean Water Laboratory.

3 - The chlorine value shown here are the values of the end product, and the free chlorine level decreases over time.

This value is chosen to maintain a free chlorine at all points of the supply, and the free chlorine concentration level tested within

between 0.2 and 0.5 mg/L.

