

**DRINKING WATER TREATMENT PLANTS MONTHLY AVERAGE ANALYSIS REPORT - FEBRUARY 2021**

| Parameter                         | Unit                | Water Intended For Human Consumption Regulation | Ömerli      |             |             |             | Cumhuriyet  | Elmalı      | Kağıthane   |             | İkitelli    |             | Taşoluk     | Büyükkçekmece |
|-----------------------------------|---------------------|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
|                                   |                     |   | 1           | 2           | 3           | 4           |             |             | 1           | 2           | 1           | 2           |             |               |
| <b>MICROBIOLOGICAL PARAMETERS</b> |                     |   |             |             |             |             |             |             |             |             |             |             |             |               |
| Coliform Bacteria                 | cfu/100ml           | 0   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0             |
| E.coli                            | cfu/100ml           | 0   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0             |
| Enterococci                       | cfu/100ml           | 0   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0             |
| C.perfringens (including spores)  | cfu/100ml           | 0   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0             |
| <b>CHEMICAL PARAMETERS</b>        |                     |   |             |             |             |             |             |             |             |             |             |             |             |               |
| Acrylamide                        | µg/L                | 0,1   | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02         |
| Antimony                          | µg/L                | 5,0   | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Arsenic                           | µg/L                | 10  | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Benzene                           | µg/L                | 1   | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1            |
| Benzo (a) pyrene                  | µg/L                | 0,01  | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005      | <0,005        |
| Boron                             | mg/L                | 1   | 0,04        | 0,04        | 0,04        | 0,02        | 0,06        | 0,04        | 0,04        | 0,06        | 0,03        | 0,03        | 0,03        | 0,07          |
| Bromate                           | µg/L                | 10  | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Cadmium                           | µg/L                | 5   | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Chromium                          | µg/L                | 50  | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Copper                            | mg/L                | 2   | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01       | <0,01         |
| Cyanide                           | µg/L                | 50  | <30         | <30         | <30         | <30         | <30         | <30         | <30         | <30         | <30         | <30         | <30         | <30           |
| 1,2-dichloroethane                | µg/L                | 3   | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1            |
| Epichlorohydrin                   | µg/L                | 0,1   | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1          |
| Fluoride                          | mg/L                | 1,5   | 0,06        | 0,07        | 0,06        | 0,08        | 0,08        | 0,08        | 0,05        | 0,07        | 0,06        | 0,05        | 0,06        | 0,16          |
| Lead                              | µg/L                | 10  | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Mercury                           | µg/L                | 1   | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2        | <0,2          |
| Nickel                            | µg/L                | 20  | 2,12        | 2,12        | 2,17        | 3,38        | 2,47        | 3,00        | <2,0        | 2,18        | <2,0        | <2,0        | <2,0        | 2,57          |
| Nitrate                           | mg/L                | 50  | 5,55        | 5,43        | 5,75        | 4,08        | 7,16        | 5,85        | 2,56        | 4,91        | 2,56        | 2,30        | 2,18        | 10,75         |
| Nitrite                           | mg/L                | 0,5   | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | 0,02        | <0,02       | <0,02       | <0,02       | <0,02       | <0,02       | <0,02         |
| Total Pesticides                  | µg/L                | 0,5   | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5          |
| Polycyclic Aromatic Hydrocarbons  | µg/L                | 0,1   | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1          |
| Selenium                          | µg/L                | 10  | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Tetrachloroethene                 | µg/L                | 10  | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1            |
| Trichloroethene                   |                     |   | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1          | <1            |
| Total Trihalomethanes             | µg/L                | 100   | 10,0        | 9,2         | 14,7        | 8,9         | 31,1        | 25,0        | 21,3        | 34,9        | 17,8        | 25,5        | 27,0        | 44,8          |
| Vinyl Chloride                    | µg/L                | 0,5   | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5        | <0,5          |
| <b>INDICATOR PARAMETERS</b>       |                     |   |             |             |             |             |             |             |             |             |             |             |             |               |
| Aluminium                         | µg/L                | 200   | 55,81       | 68,81       | 90,48       | <20         | 58,95       | 48,28       | 49,58       | 31,17       | 62,29       | 27,95       | 35,83       | 58,36         |
| Amonium                           | mg/L                | 0,5   | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05       | <0,05         |
| Chloride                          | mg/L                | 250   | 41,3        | 40,7        | 44,1        | 61,1        | 64,7        | 141,2       | 81,2        | 76,6        | 71,6        | 72,5        | 71,2        | 88,4          |
| Colour (Pt-Co)                    | mg/L                | ACNAC   | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0        | <2,0          |
| Conductivity                      | µS/cm <sup>-1</sup> | 2500  | 485         | 491         | 483         | 525         | 472         | 741         | 597         | 587         | 527         | 530         | 516         | 719           |
| pH                                |                     | ≤9,5-6,5≤                                       | 7,35        | 7,39        | 7,36        | 7,21        | 6,95        | 7,02        | 7,04        | 7,01        | 7,09        | 7,05        | 7,34        | 7,29          |
| Iron                              | µg/L                | 200   | <20         | <20         | <20         | 29,52       | 56,07       | <20         | <20         | 29,03       | <20         | 26,14       | <20         | <20           |
| Manganese                         | µg/L                | 50  | 11,06       | 11,11       | 11,54       | <10         | <10         | 10,44       | <10         | <10         | <10         | <10         | <10         | <10           |
| Odour                             |                     | ACNAC   | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate   |
| Sulphate                          | mg/L                | 250   | 44,49       | 41,52       | 40,93       | 17,78       | 31,96       | 55,45       | 76,30       | 67,93       | 56,00       | 57,65       | 48,75       | 95,83         |
| Sodium                            | mg/L                | 200   | 25,44       | 24,61       | 26,30       | 19,52       | 24,27       | 77,61       | 46,12       | 39,30       | 38,77       | 39,08       | 39,73       | 51,31         |
| Taste                             |                     | ACNAC   | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate | Appropriate   |
| Total Organic Carbon              | mg/L                | NAC   | 2,49        | 2,42        | 2,62        | 1,90        | 2,18        | 3,44        | 3,18        | 2,75        | 3,00        | 2,86        | 3,13        | 3,98          |
| Turbidity                         | NTU                 | 1   | 0,20        | 0,14        | 0,20        | 0,17        | 0,21        | 0,28        | 0,20        | 0,17        | 6,94        | 0,26        | 0,34        | 0,19          |
| <b>RADIOACTIVITY PARAMETERS</b>   |                     |   |             |             |             |             |             |             |             |             |             |             |             |               |
| Tritium                           | Bq/L                | 100   | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0        | <3,0          |
| Total Indicative Dose             | mSv/yıl             | 0,1   | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1        | <0,1          |

ACNAC: Acceptable to consumers and no abnormal change

NAC : No abnormal change

NOTE : Analysis made by ISKI Clean Water Laboratory Branch Directorate. pH, Turbidity parameters made by plants laboratories.