

STAD KAAPSTAD SE JAARLIKSE VERSLAG OOR DRINKWATERGEHALTE VIR 2020/21. ANALITIESE DATA OOR EN BENADERDE VERSPREIDING VAN KAAPSTAD SE DRINKWATER.

Monstertydperk: Julie tot Junie 2021

Wanneer ons inwoners hul krane oopdraai, kan hulle vertrou dat hul water betroubaar, getoets, behandel en veilig is om te drink. Volgens wet moet die Stad Kaapstad een maal per jaar analitiese data oor die gehalte van kraanwater publiseer om die voortgesette nakoming van watergehaltestandaarde te toon of inwoners oor moontlike risiko's in te lig. Stad Kaapstad se kraanwater handhaaf al baie jare lank die status van “uitstekende” nakoming van die voorgeskrewe standaarde vir nasionale drinkwatergehalte (SANS241). Die jaarlikse verslae oor kraanwatergehalte vanaf 2014 is op die Stad se webwerf beskikbaar: [www.capetown.gov.za/waterquality](http://www.capetown.gov.za/waterquality). Dit word ook gereeld elke maand bygewerk en op die nasionale departement van water en sanitasie se “My Water”-blad vir watergehalte: <http://ws.dwa.gov.za/IRIS/mywater.aspx> beskikbaar gestel. Die drinkwater van “uitstekende gehalte” word deur die Stad Kaapstad teen net 4c to 7c per liter verskaf vergeleke met die ongeveer R10 per liter vir gebottelde water wat in winkels gekoop word. Sien die resultate onderaan vir die gehalte van water wat gedurende die tydperk Julie 2020 tot Junie 2020 regoor Kaapstad voorsien is.

| PARAMETERS                                 | SANS 241 : 2015<br>Spesifikasies            | BLACKHEATH<br>VOORRAAD<br>Tipiese ontleding<br>Maks 430 Mℓ/dag | FAURE<br>VOORRAAD<br>Tipiese ontleding<br>Maks 500 Mℓ/dag | KLOOF NEK<br>VOORRAAD<br>Tipiese ontleding<br>Maks22.5 Mℓ/dag | STEENBRAS<br>VOORRAAD<br>Tipiese ontleding<br>Maks150 Mℓ/dag | VOËLVLEI<br>VOORRAAD<br>Tipiese ontleding<br>Maks 273 Mℓ/dag | WEMMERSHOEK<br>VOORRAAD<br>Tipiese ontleding<br>Maks 250 Mℓ/dag | BROOKLANDS<br>VOORRAAD<br>Tipiese ontleding<br>Maks 5.5 Mℓ/dag | HELDERBERG<br>VOORRAAD<br>Tipiese ontleding<br>Maks 12 Mℓ/dag | WITZANDS<br>VOORRAAD<br>Tipiese ontleding<br>Maks 15 Mℓ/dag | CONSTANTIA NEK<br>VOORRAAD<br>Tipiese ontleding<br>Maks 3 Mℓ/dag | ALBION SPRINGS<br>VOORRAAD<br>Tipiese ontleding<br>Maks 1.999 Mℓ/dag | MONWABISI<br>ONTSOUTING<br>VOORRAAD<br>Tipiese ontleding<br>Maks 7 Mℓ/dag |
|--------------------------------------------|---------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------------|
| FISIESE EN ESTETIESE DETERMINANTE          |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| Kleur mg/ℓ Pt-Co                           | ≤15                                         | 5                                                              | 6                                                         | 6                                                             | 5                                                            | 6                                                            | 7                                                               | 12                                                             | 6                                                             | 7                                                           | 6                                                                | <5                                                                   | 5                                                                         |
| Geleivermoë mS/m                           | ≤170                                        | 12                                                             | 17                                                        | 21                                                            | 14                                                           | 14                                                           | 7                                                               | 76                                                             | 18                                                            | 31                                                          | 19                                                               | 20                                                                   | 73                                                                        |
| TDS mg/ℓ                                   | ≤1200                                       | 79                                                             | 113                                                       | 140                                                           | 92                                                           | 92                                                           | 48                                                              | 509                                                            | 122                                                           | 206                                                         | 124                                                              | 131                                                                  | 486                                                                       |
| Troebelheid NTU                            | Bedryfs ≤1 / Esteties ≤5                    | 0.6                                                            | 0.6                                                       | 0.7                                                           | 0.6                                                          | 0.7                                                          | 0.7                                                             | 0.6                                                            | 0.6                                                           | 0.7                                                         | 0.6                                                              | 1                                                                    | 0.6                                                                       |
| pH (pH-eenhede)                            | ≥5 to ≤9.7                                  | 8.7                                                            | 8.2                                                       | 8.6                                                           | 7.6                                                          | 7.7                                                          | 8.2                                                             | 8.5                                                            | 8.4                                                           | 7.6                                                         | 7.5                                                              | 7                                                                    | 8.6                                                                       |
| CHEMIESE MAKRO-DETERMINANTE                |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| Vry chloor as Cl2 mg/ℓ                     | ≤5                                          | 1.3                                                            | 1.1                                                       | 0.9                                                           | 1.2                                                          | 1.2                                                          | 1.4                                                             | 1.1                                                            | 0.8                                                           | 1.0                                                         | 1.0                                                              | 0.1                                                                  | 0.7                                                                       |
| Nitraat as N mg/ℓ                          | ≤11                                         | 0.2                                                            | 0.2                                                       | 0.5                                                           | 0.2                                                          | 0.3                                                          | 0.3                                                             | 0.2                                                            | 0.4                                                           | 0.3                                                         | 0.2                                                              | 1.4                                                                  | 0.4                                                                       |
| Nitried as N mg/ℓ                          | ≤0.9                                        | <0.1                                                           | <0.1                                                      | <0.1                                                          | <0.1                                                         | <0.1                                                         | <0.1                                                            | <0.1                                                           | <0.1                                                          | <0.1                                                        | <0.1                                                             | <0.1                                                                 | <0.1                                                                      |
| Gekombineerde Nitraat plus Nitried         | ≤1                                          | 0.1                                                            | 0.1                                                       | 0.1                                                           | 0.1                                                          | 0.1                                                          | 0.1                                                             | 0.1                                                            | 0.1                                                           | 0.1                                                         | 0.1                                                              | 0.2                                                                  | 0.1                                                                       |
| Sulfaat as SO42- mg/ℓ                      | Esteties ≤250<br>Chroniese gesondheid ≤500  | 12                                                             | 32                                                        | 33                                                            | 18                                                           | 12                                                           | 4                                                               | 186                                                            | 6                                                             | 23                                                          | 34                                                               | 11.5                                                                 | 3                                                                         |
| Fluoried as F mg/ℓ                         | ≤1.5                                        | 0.1                                                            | 0.1                                                       | 0.1                                                           | 0.1                                                          | 0.1                                                          | 0.1                                                             | 0.1                                                            | 0.1                                                           | 0.1                                                         | 0.1                                                              | 0.1                                                                  | 0.1                                                                       |
| Ammonium as N mg/ℓ                         | ≤1.5                                        | <0.4                                                           | <0.4                                                      | <0.4                                                          | <0.4                                                         | <0.4                                                         | <0.4                                                            | <0.4                                                           | <0.4                                                          | <0.4                                                        | <0.4                                                             | <0.4                                                                 | <0.4                                                                      |
| Chloried as Cl- mg/ℓ                       | ≤300                                        | 16                                                             | 21                                                        | 25                                                            | 25                                                           | 24                                                           | 11                                                              | 108                                                            | 35                                                            | 47                                                          | 28                                                               | 40.7                                                                 | 200                                                                       |
| Natrium as Na mg/ℓ                         | ≤200                                        | 6.6                                                            | 10.1                                                      | 16.9                                                          | 13.6                                                         | 10.9                                                         | 3.2                                                             | 57.2                                                           | 16.7                                                          | 20.6                                                        | -                                                                | 16.7                                                                 | 144                                                                       |
| Sink as Zn mg/ℓ                            | ≤5                                          | 0.03                                                           | 0.02                                                      | -                                                             | 0.02                                                         | 0.01                                                         | 0.02                                                            | -                                                              | 0.02                                                          | 0.02                                                        | -                                                                | 0.04                                                                 | -                                                                         |
| CHEMIESE MIKRO-DETERMINANTE                |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| Antimoon as Sb µg/ℓ                        | ≤20                                         | 20                                                             | 20                                                        | 20                                                            | 20                                                           | 20                                                           | 20                                                              | 20                                                             | 20                                                            | 20                                                          | -                                                                | 20                                                                   | 20                                                                        |
| Arseen as As µg/ℓ                          | ≤10                                         | 10                                                             | 10                                                        | 10                                                            | 10                                                           | 10                                                           | 10                                                              | 10                                                             | 10                                                            | 10                                                          | -                                                                | 10                                                                   | 10                                                                        |
| Barium as Ba µg/ℓ                          | ≤700                                        | 20                                                             | 20                                                        | 20                                                            | 20                                                           | 20                                                           | 20                                                              | 20                                                             | 20                                                            | 20                                                          | -                                                                | 20                                                                   | 20                                                                        |
| Boron as B mg/ℓ                            | ≤2.4                                        | 0.1                                                            | 0.1                                                       | 0.1                                                           | 0.1                                                          | 0.1                                                          | 0.1                                                             | 0.1                                                            | 0.1                                                           | 0.1                                                         | -                                                                | 0.1                                                                  | 1                                                                         |
| Kadmium as Cd µg/ℓ                         | ≤3                                          | 1                                                              | 1                                                         | 1                                                             | 1                                                            | 1                                                            | 1                                                               | 1                                                              | 1                                                             | 1                                                           | -                                                                | 1                                                                    | 1                                                                         |
| Chroom (totaal) as Cr µg/ℓ                 | ≤50                                         | 20                                                             | 20                                                        | 20                                                            | 20                                                           | 20                                                           | 20                                                              | 20                                                             | 20                                                            | 20                                                          | -                                                                | 20                                                                   | 20                                                                        |
| Koper as Cu µg/ℓ                           | ≤2000                                       | 20                                                             | 20                                                        | 20                                                            | 38.6                                                         | 32.1                                                         | 20                                                              | 20                                                             | 20                                                            | 20                                                          | -                                                                | 20                                                                   | 20                                                                        |
| Sianied as CN- µg/ℓ                        | ≤200                                        | 20                                                             | 2                                                         | 1                                                             | 11                                                           | 11                                                           | 13                                                              | 11                                                             | 13                                                            | 12                                                          | 12                                                               | <10                                                                  | 21                                                                        |
| Yster as Fe µg/ℓ                           | Chroniese gesondheid ≤2000<br>Esteties ≤300 | 226.5                                                          | 78                                                        | 23.7                                                          | 46.9                                                         | 130.9                                                        | 150                                                             | 53                                                             | 71.5                                                          | 103.2                                                       | -                                                                | 84.8                                                                 | 69.2                                                                      |
| Lood as Pb µg/ℓ                            | ≤10                                         | 10                                                             | 10                                                        | 10                                                            | 10                                                           | 10                                                           | 10                                                              | 10                                                             | 10                                                            | 10                                                          | -                                                                | 10                                                                   | 10                                                                        |
| Mangaan as Mn µg/ℓ                         | Chroniese gesondheid ≤400<br>Esteties ≤100  | 20                                                             | 20                                                        | 20                                                            | 20                                                           | 20                                                           | 20                                                              | 20                                                             | 20                                                            | 20                                                          | -                                                                | 20                                                                   | 20                                                                        |
| Kwik as Hg µg/ℓ                            | ≤6                                          | 5                                                              | 5                                                         | 5                                                             | 5                                                            | 5                                                            | 5                                                               | 5                                                              | 5                                                             | 5                                                           | -                                                                | 5                                                                    | 5                                                                         |
| Nikkel as Ni µg/ℓ                          | ≤70                                         | 20                                                             | 20                                                        | 20                                                            | 20                                                           | 20                                                           | 20                                                              | 20                                                             | 20                                                            | 20                                                          | -                                                                | 20                                                                   | 20                                                                        |
| Selenium as Se µg/ℓ                        | ≤40                                         | 10                                                             | 10                                                        | 10                                                            | 10                                                           | 10                                                           | 10                                                              | 10                                                             | 10                                                            | 10                                                          | -                                                                | 10                                                                   | 10                                                                        |
| Uraan as U µg/ℓ                            | ≤30                                         | 15                                                             | 15                                                        | 15                                                            | 15                                                           | 15                                                           | 15                                                              | 15                                                             | 15                                                            | 15                                                          | -                                                                | 15                                                                   | 15                                                                        |
| Aluminium as Al µg/ℓ                       | ≤300                                        | 143.9                                                          | 61.5                                                      | 109                                                           | 108.1                                                        | 42.2                                                         | 158                                                             | 50                                                             | 54.2                                                          | 50.8                                                        | -                                                                | 75.9                                                                 | 40                                                                        |
| CHEMIES-ORGANIESE DETERMINANTE             |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| Totale Organiese Koolstof mg/ℓ             | ≤10                                         | 2                                                              | 2                                                         | 2                                                             | 2                                                            | 2                                                            | 1                                                               | 4                                                              | 2                                                             | 3                                                           | 2                                                                | 1                                                                    | 2                                                                         |
| Trihalometane                              |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| Chloroform µg/ℓ                            | ≤300                                        | 65                                                             | 37                                                        | -                                                             | 58                                                           | 87                                                           | 87                                                              | 62                                                             | 50                                                            | 86                                                          | -                                                                | 104                                                                  | 1                                                                         |
| Bromoform µg/ℓ                             | ≤100                                        | 1                                                              | 1                                                         | -                                                             | 1                                                            | 1                                                            | 1                                                               | 1                                                              | 9                                                             | 2                                                           | -                                                                | 5                                                                    | 13                                                                        |
| Dibromochloromethane µg/ℓ                  | ≤100                                        | 5                                                              | 2                                                         | -                                                             | 8                                                            | 7                                                            | 3                                                               | 7                                                              | 55                                                            | 23                                                          | -                                                                | 40                                                                   | 1                                                                         |
| Bromodichloromethane µg/ℓ                  | ≤60                                         | 20                                                             | 7                                                         | -                                                             | 32                                                           | 23                                                           | 13                                                              | 23                                                             | 42                                                            | 51                                                          | -                                                                | 58                                                                   | 1                                                                         |
| Gekombineerde Trihalomethane               | ≤1                                          | 0.6                                                            | 0.3                                                       | -                                                             | 0.8                                                          | 0.8                                                          | 0.4                                                             | 0.7                                                            | 1.5                                                           | 1.7                                                         | -                                                                | 2                                                                    | 0.2                                                                       |
| Phenole µg/ℓ                               | ≤10                                         | <10                                                            | <10                                                       | <10                                                           | <10                                                          | <10                                                          | <10                                                             | -                                                              | <10                                                           | <10                                                         | <10                                                              | -                                                                    | -                                                                         |
| MIKRO-BIOLOGIESE DETERMINANTE              |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| <i>E coli</i> telling/100 mℓ               | Nie bespeur nie                             | NB                                                             | NB                                                        | NB                                                            | NB                                                           | NB                                                           | NB                                                              | NB                                                             | NB                                                            | NB                                                          | NB                                                               | NB                                                                   | NB                                                                        |
| Heterotrofieseplaat-telling/mℓ             | ≤1000                                       | 9                                                              | 3                                                         | 2                                                             | 4                                                            | 26                                                           | 4                                                               | 4                                                              | 14                                                            | 25                                                          | 21                                                               | 298                                                                  | 19                                                                        |
| Totale koliform-telling/100 mℓ             | ≤10                                         | 1                                                              | 1                                                         | 1                                                             | 1                                                            | 1                                                            | 1                                                               | 2                                                              | 3                                                             | 1                                                           | 1                                                                | 26                                                                   | 12                                                                        |
| Protoesoönparasiete                        |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| <i>Cryptosporidium</i> spesies telling/10ℓ | Nie bespeur nie                             | NB                                                             | NB                                                        | NB                                                            | NB                                                           | NB                                                           | NB                                                              | NB                                                             | NB                                                            | NB                                                          | NB                                                               | -                                                                    | -                                                                         |
| <i>Giardia</i> spesies telling/10ℓ         | Nie bespeur nie                             | NB                                                             | NB                                                        | NB                                                            | NB                                                           | NB                                                           | NB                                                              | -                                                              | NB                                                            | NB                                                          | NB                                                               | -                                                                    | -                                                                         |
| ANDER                                      |                                             |                                                                |                                                           |                                                               |                                                              |                                                              |                                                                 |                                                                |                                                               |                                                             |                                                                  |                                                                      |                                                                           |
| Hardheid (totaal) as CaCO3 mg/ℓ            | -                                           | 29.6                                                           | 43.7                                                      | 50.3                                                          | 22.8                                                         | 29.1                                                         | 12.1                                                            | 212.3                                                          | 63.5                                                          | 58.8                                                        | -                                                                | 29.3                                                                 | 107.7                                                                     |
| Alkaliniteit as CaCO3 mg/ℓ                 | -                                           | 18                                                             | 12                                                        | 26                                                            | 7                                                            | 16                                                           | 16                                                              | 22                                                             | 28                                                            | 50                                                          | 8                                                                | 12                                                                   | 16                                                                        |
| Kalsium as Ca mg/ℓ                         | -                                           | 10.2                                                           | 15.7                                                      | 18.5                                                          | 7.5                                                          | 8.7                                                          | 8.1                                                             | 76.1                                                           | 9.6                                                           | 19.6                                                        | -                                                                | 9.1                                                                  | 2.5                                                                       |
| Kalium as K mg/ℓ                           | -                                           | 1                                                              | 1.1                                                       | 1                                                             | 1                                                            | 1                                                            | 1                                                               | 1.6                                                            | 1.4                                                           | 1.3                                                         | -                                                                | 1.2                                                                  | 6.3                                                                       |
| Magnesium as Mg mg/ℓ                       | -                                           | 1                                                              | 1.1                                                       | 1                                                             | 1.8                                                          | 1.8                                                          | 1                                                               | 5.4                                                            | 2.3                                                           | 2.4                                                         | -                                                                | 1.6                                                                  | 1.1                                                                       |

SLEUTEL: NB = Nie bespeur nie. Die waterbehandelingsaanlegte voorsien water in ’n onderling verbinde stelsel van reservoirs en pyplyne wat die munisipale gebied bedien.