

INGXELO YONYAKA KA2021/2022 YESIXEKO SASEKAPA ENGOMGANGATHO WAMANZI ASELWAYO. IINKCUKACHA ZOHLALUTYO KUNYE NENDLELA YOKUHANJISWA KWAMANZI OKUSELA EKAPA. Ixesha lesampula: 1 eyeKhala 2021 ukuya kowama30 kweyeSilimela 2022

Xa abahlali bethu bevula iitephu zabo, bangaqiniseka ukuba amanzi abo athembakele, avavanyiwe, acociwe kwaye akhuselekile ukuba angaselwa. Ngokomthetho, iSixeko saseKapa kufuneka sipapashe iinkcukacha zohlalutyo malunga nomgangatho wamanzi etephu kanye ngonyaka, ukubonisa ukuthotyelwa okuqhubekayo kwemiqathango emiselweyo yomgangatho wamanzi okanye ukwazisa abahlali ngemingcipheko enokwenzeka. Amanzi etephu eSixeko saseKapa, kangangeminyaka emininzi agcine iwonga “lokugqwesa” ekuthobeleni imiqathango emiselweyo yesizwe yomgangatho wamanzi okusela (SANS 241). Iingxelo zonyaka ezimalunga nomgangatho wamanzi ezisusela ngo2014 ziyafumaneka kwiwebhusayithi yeSixeko: www.capetown.gov.za/waterquality. Iingxelo ezihlaziywa rhoqo ngenyanga nazo ziyafumaneka kwiSebe leSizwe lezaManzi noCoceko kwiphepha elibhalwe ‘My water’ elingomgangatho wamanzi: <http://ws.dwa.gov.za/IRIS/mywater.aspx>. La manzi eSixeko “akumgangatho ophezulu” axabisa kuphela i5c ukuya kwi8c ilitha xa kuthelekiswa neR10 yelitha yamanzi asebhotileni athengwa ezivenkileni. Jonga iziphumo ezingezantsi malunga nomgangatho wamanzi ezikhutshwe kwiKapa ngokubanzi kwisithuba esiphakathi kweyeKhala 2021 ukuya kweyeSilimela 2022.

PARAMETERS	SANS 241 : 2015 Specs	BLACKHEATH SUPPLY Typical Analysis MAX 430 Mℓ/day	FAURE SUPPLY Typical Analysis MAX 500 Mℓ/day	KLOOF NEK SUPPLY Typical Analysis MAX 22.5 Mℓ/day	STEENBRAS SUPPLY Typical Analysis MAX 150 Mℓ/day	VOËLVLEI SUPPLY Typical Analysis MAX 273 Mℓ/day	WEMMERSHOEK SUPPLY Typical Analysis MAX 250 Mℓ/day	BROOKLANDS SUPPLY Typical Analysis MAX 5.5 Mℓ/day	HELDERBERG SUPPLY Typical Analysis MAX 12 Mℓ/day	WITZANDS SUPPLY Typical Analysis MAX 15 Mℓ/day	CONSTANTIA NEK SUPPLY Typical Analysis MAX 3 Mℓ/day	ALBION SPRINGS SUPPLY Typical Analysis MAX 2 Mℓ/day
PHYSICAL & AESTHETIC DETERMINANDS												
Colour mg/ℓ Pt-Co	≤15	5	5	6	5	6	7	7	5	7	6	<5
Conductivity mS/m	≤170	11	14	18	12	13	6	58	16	24	20	22
Total Dissolved Solids mg/ℓ	≤1200	72	92	119	83	90	37	386	107	163	132	144
Turbidity NTU	Operational ≤1 / Aesthetic ≤5	0.6	0.6	0.7	0.7	0.9	0.7	0.6	0.7	0.8	0.6	1
pH (pH units)	≥5 to ≤9.7	8.5	8.6	8.3	8.1	8.0	8.5	8.2	8.8	7.7	8.3	7
CHEMICAL - MACRO DETERMINANDS												
Free Chlorine as Cl2 mg/ℓ	≤5	1.1	1.1	0.9	1.1	0.9	1.0	1.0	0.9	0.8	0.9	0.3
Nitrate as N mg/ℓ	≤11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	1.7
Nitrite 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
Combined nitrate plus nitrite	≤1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2
Sulphate as SO42- mg/ℓ	Aesthetic ≤250 / Acute health ≤500	12	27	35	19	13	3	124	5	19	45	10.1
Fluoride 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
Ammonia 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
Chloride as Cl- mg/ℓ	≤300	16	18	20	20	21	8	83	30	36	25	47.2
Sodium as Na mg/ℓ	≤200	12	10	15	15	11	5	43	16	28	18.5	23.6
Zinc as Zn mg/ℓ	≤5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
CHEMICAL - MICRO DETERMINANDS												
Antimony as Sb µg/ℓ	≤20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Arsenic as As µg/ℓ	≤10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Barium as Ba µg/ℓ	≤700	<50	<50	<50	<50	<50	<50	<50	<50	119	<50	<50
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	<0.1
Cadmium as Cd µg/ℓ	≤3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chromium (Total) as Cr µg/ℓ	≤50	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Copper as Cu µg/ℓ	≤2000	<20	<20	<20	<20	<20	<20	21	<20	<20	<20	<20
Cyanide as CN- µg/ℓ	≤200	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iron as Fe µg/ℓ	Chronic Health ≤2000 / Aesthetic ≤300	119	110	140	78	91	150	131	113	135	173	84
Lead as Pb µg/ℓ	≤10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese as Mn µg/ℓ	Chronic Health ≤400 / Aesthetic ≤100	<20	<20	<20	<20	<20	27	22	<20	<20	<20	<20
Mercury as Hg µg/ℓ	≤6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Nickel 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
Uranium as U µg/ℓ	≤30	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
Aluminium as Al µg/ℓ	≤300	111	60	151	118	54	115	71	68	72	118	52
CHEMICAL - ORGANIC DETERMINANDS												
Total Organic Carbon mg/ℓ	≤10	2	2	2	2	2	1	3	1	2	1	0
Phenols µg/ℓ	≤10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
MICROBIOLOGICAL DETERMINANDS												
E coli count/100mℓ	Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heterotrophic Plate Count Count/mℓ	≤1000	1	5	25	10	22	1	73	26	3	31	139
Total coliforms Count/100mℓ	≤10	ND	ND	ND	ND	ND	ND	3	4	5	6	20
OTHER												
Hardness(Total) as CaCO3 mg/ℓ	-	30	41	42	22	35	14	146	42	79	35	40
Alkalinity as CaCO3 mg/ℓ	-	14	11	17	8	17	12	15	27	43	8	16
Calcium as Ca mg/ℓ	-	8	13	16	6	10	4	49	12	28	14	7
Potassium as K mg/ℓ	-	1.0	0.8	0.3	0.5	0.9	0.3	1.3	1.2	1.4	<1	1
Magnesium as Mg mg/ℓ	-	2.3	2.1	1.3	1.6	2.6	0.9	5.6	2.9	4.2	<1	5

KEY: ND = not detected
- = no specification

The water treatment plants supply water into an interconnected system of reservoirs and pipelines serving the municipal area.

* Iziphumo ezingaqhelekanga azifakwanga.

Amachiza enza iikhemikhali kunye neentsholongwane azihlalutywanga ngexesha elisusela ngowo1 eyeKhala 2021 ukuya kowama30 kweyeSilimela 2022
Trihalomethanes (CHCl3, CHBr3, CHBr2Cl, CHBrCl2)
Izifunxigazi ezibizwa ngeProtozoan (uhlobo lweCryptosporidium neGiardia)