

INGXELO YONYAKA KA2022/2023 YESIXEKO SASEKAPA ENGOMGANGATHO WAMANZI ASELWAYO. IINKCUKACHA ZOHLALUTYO KUNYE NENDLELA YOKUHANJISWA KWAMANZI OKUSELA EKAPA. Ixesha lesampula: 1 eyeKhala 2022 ukuya kowama30 kweyeSilimela 2023

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 2022 ukuya ukuya kweyeSilimela 2023.

PARAMETERS	SANS 241:2015 Specifications	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	6	6	5	6	6	6	5	6	7	5
Conductivity mS/m	≤170	10	13	16	12	14	6	52	15	22	20	21
Total Dissolved Solids mg/ℓ	≤1200	66	87	104	80	91	43	351	104	146	134	142
Turbidity NTU	Operational ≤1 / Aesthetic ≤5	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.7	1
pH	≥5 to ≤9.7	8.0	8.5	8.3	7.8	8.2	7.9	7.8	9.1	7.7	7.8	7
CHEMICAL - MACRO DETERMINANDS												
Free Chlorine as Cl ₂ mg/ℓ	≤5	1.0	0.6	0.9	1.0	1.0	1.3	1.0	1.0	0.5	1.0	1.2
Nitrate as N mg/ℓ	≤11	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	1.8
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 SO ₄ ²⁻ mg/ℓ	Aesthetic ≤250 / Acute health ≤500	12	25	37	19	14	6	99	4	18	50	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	15	16	16	19	21	10	89	27	33	22	47.0
Sodium as Na mg/ℓ	≤200	8	7	14	12	10	5	48	13	19	14	22.1
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	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Arsenic as As µg/ℓ	≤10	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Barium as Ba µg/ℓ	≤700	<50	<50	<50	<50	<50	<50	<50	52	<50	<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	<5	<5	<5	<5	<5	<5	6	<5	<5	<5	<5
Copper as Cu µg/ℓ	≤2000	14	11	11	12	24	14	13	11	13	10	13
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	82	66	57	76	84	99	78	86	99	<50	68
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	7	5	7	12	5	14	8	5	13	8	7
Nickel as Ni µg/ℓ	≤70	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Selenium as Se µg/ℓ	≤40	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Aluminium as Al µg/ℓ	≤300	110	75	213	86	64	146	78	57	59	51	<50
CHEMICAL - ORGANIC DETERMINANDS												
Total Organic Carbon mg/ℓ	≤10	2	2	2	2	3	2	5	3	3	2	1
Phenols µg/ℓ	≤10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Trihalomethanes												
Chloroform µg/L	≤300	44	24	74	54	58	44	66	32	62	-	-
Bromoform µg/L	≤100	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-
Dibromochloromethane µg/L	≤100	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-
Bromodichloromethane µg/L	≤60	<10	<10	<10	<10	<10	<10	<10	<10	<10	-	-
Combined Trihalomethane	≤1	0.51	0.45	0.61	0.55	0.56	0.51	0.59	0.47	0.57	-	-
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	4	4	4	14	58	9	9	36	2	3	88
Total coliforms Count/100mℓ	≤10	1	2	1	1	2	2	3	2	1	1	23
OTHER												
Hardness(Total) as CaCO ₃ mg/ℓ	-	31	38	44	24	37	15	138	40	60	39	34
Alkalinity as CaCO ₃ mg/ℓ	-	11	11	9	7	18	9	13	29	35	7	14
Calcium as Ca mg/ℓ	-	10	13	15	8	11	5	45	12	19	14	6
Potassium as K mg/ℓ	-	0.9	0.9	0.6	0.9	1.2	0.6	1.6	1.5	1.7	0.2	2
Magnesium as Mg mg/ℓ	-	1.2	1.2	0.8	1.0	2.1	0.5	5.5	2.1	2.9	1.9	5

INGCACISO: ND = Ayivavanywanga
- = Akukho nkchukacha okanye okukho datha

Iindawo zokucoca amanzi zinikezela ngamanzi kwimithombo yamanzi ehlangeneyo yamadama kunye nemibhobho esebenza kummandla kamasipala.