CITY OF CAPE TOWN QUARTERLY DRINKING WATER QUALITY REPORT. ANALYTICAL DATA AND APPROXIMATE DISTRIBUTION FOR CAPE TOWN DRINKING WATER. Sample period: 1 October 2023 to 31 December 2023

When our residents open their taps, they can trust their water is reliable, tested, treated and safe to drink. The City of Cape Town is legally required to publish tap water quality analytical data once a year, to demonstrate continued compliance with water quality standards, or inform residents of possible risks. City of Cape Town tap water has for many years maintained 'excellent' compliance status with prescribed national drinking water quality standards (SANS 241). The annual tap water quality reports from 2014 are available on the City's website (www.capetown.gov.za/waterquality). Regular monthly updates are also available on the National Department of Water and Sanitation's 'My Water' page for water quality (http://ws.dwa.gov.za/IRIS/mywater.aspx). This 'excellent' quality City water costs only 5c to 8c a litre compared to about R10 a litre for shop-bought bottled water. See the water quality results below provided across Cape Town for the 01 October 2023 to 31 December 2023 period.

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
PHYSICAL & AESTHETIC DETERMINANTS											
Colour mg/ℓ Pt-Co	≤15	5	5	5	5	5	5	6	5	<5	<5
Conductivity mS/m	≤170	10	13	13	11	14	11	39	17	21	17
Total Dissolved Solids mg/ℓ	≤1200	65	84	89	75	96	73	259	117	143	116
Turbidity NTU	Operational ≤1 / Aesthetic ≤5	0.5	0.5	0.5	0.5	0.5	0.7	0.5	0.6	0.5	0.5
pH	≥5 to ≤9.7	8.3	8.3	8.4	8.4	7.9	7.7	8.2	9.1	7.7	8.3
CHEMICAL – MACRO DETERMINANTS											
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
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
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
Sulphate as SO_4^{2-} mg/ℓ	Aesthetic ≤250 / Acute health ≤500	14	28	30	18	18	22	84	4	21	44
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	0.2
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
Chloride as Cl^- mg/ℓ	≤300	13	12	15	16	21	13	55	33	31	18
Sodium as Na mg/ℓ	≤200	6	6	11	10	10	6	43	14	16	14
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
CHEMICAL – MICRO DETERMINANTS											
Antimony as Sb µg/ℓ	≤20	<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
Barium as Ba µg/ℓ	≤700	<50	<50	<50	<50	<50	<50	<50	<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
Cadmium as Cd µg/ℓ	≤3	<3	<3	<3	<3	<3	<3	<3	<3	<3	<3
Chromium (Total) as Cr µg/ℓ	≤50	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Copper as Cu µg/ℓ	≤2000	<10	11	21	12	58	<10	<10	<10	12	10
Cyanide as CN^- µg/ℓ	≤200	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Iron as Fe µg/ℓ	Chronic Health ≤2000 / Aesthetic ≤300	52	74	131	107	114	101	182	130	72	<50
Lead as Pb µg/ℓ	≤10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Manganese as Mn µg/ℓ	Chronic Health ≤400 / Aesthetic ≤100	5	5	11	6	7	6	7	6	<5	8
Mercury as Hg µg/ℓ	≤6	–	–	–	–	–	–	–	–	–	–
Nickel as Ni µg/ℓ	≤70	<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
Uranium as U µg/ℓ	≤30	–	–	–	–	–	–	–	–	–	–
Aluminium as Al µg/ℓ	≤300	72	89	160	131	73	98	99	101	57	108
CHEMICAL – ORGANIC DETERMINANTS											
Total Organic Carbon mg/ℓ	≤10	2	2	2	2	2	1	3	1	3	2
Phenols µg/ℓ	≤10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Chloroform µg/L	≤300	–	–	–	–	–	–	–	–	–	–
Bromoform µg/L	≤100	–	–	–	–	–	–	–	–	–	–
Dibromochloromethane µg/L	≤100	–	–	–	–	–	–	–	–	–	–
Bromodichloromethane µg/L	≤60	–	–	–	–	–	–	–	–	–	–
Combined Trihalomethane	≤1	–	–	–	–	–	–	–	–	–	–
MICROBIOLOGICAL DETERMINANTS											
E coli count/100mℓ	Not Detected	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heterotrophic Plate Count Count/mℓ	≤1000	1	1	1	1	28	5	1	7	1	1
Total coliforms Count/100mℓ	≤10	1	1	1	1	1	3	1	1	1	1
OTHER											
Hardness(Total) as $CaCO_3$ mg/ℓ	–	28	40	30	24	39	32	74	46	59	42
Alkalinity as $CaCO_3$ mg/ℓ	–	11	10	8	8	15	9	10	28	32	9
Calcium as Ca mg/ℓ	–	9	14	11	8	12	11	24	14	19	15
Potassium as K mg/ℓ	–	0.6	0.6	0.4	0.5	0.8	0.6	0.8	1.1	1.1	0.3
Magnesium as Mg mg/ℓ	–	1.3	1.4	0.9	1.1	2.3	1.3	3.7	2.5	2.9	1.2

KEY: ND = Not detected
- = No specification or no data

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

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CITY MANAGER

CITY OF CAPE TOWN
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Making progress possible. Together.