

QUALITY OF WATER SUPPLIED IN JOHANNESBURG

August-14

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	601	0

Physical, organoleptic and chemical requirements

		Class I Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
Chemical & Physical properties						
Colour	mg/L as Pt	20	95	100	592	0
Conductivity	mS/m	150	95	100	592	0
Odour	TON	5	95	100	46	0
pH	pH units	5.0 - 9.5	95	100	601	0
Taste	TTN	5	95	100	46	0
Turbidity	NTU	1	95	99	592	6
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	43	0
Calcium	mg/L as Ca	150	95	100	45	0
Chloride	mg/L as Cl	200	95	100	43	0
Fluoride	mg/L as F	1	95	100	45	0
Magnesium	mg/L as Mg	70	95	100	45	0
Nitrate and nitrite	mg/L as N	10	95	100	43	0
Potassium	mg/L as K	50	95	100	43	0
Sodium	mg/L as Na	200	95	100	45	0
Sulphate	mg/L as SO ₄	400	95	100	43	0
Zinc	mg/L as Zn	5	95	100	44	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	45	0
Antimony	µg/L as Sb	10	95	100	45	0
Arsenic	µg/L as As	10	95	100	45	0
Cadmium	µg/L as Cd	5	95	100	45	0
Chromium	µg/L as Cr	100	95	100	45	0
Cobalt	µg/L as Co	500	95	100	45	0
Copper	mg/L as Cu	1	95	100	44	0
Cyanide (Free)	µg/L as CN	50	95	100	43	0
Iron	mg/L as Fe	0.2	95	100	44	0
Lead	µg/L as Pb	20	95	100	45	0
Manganese	mg/L as Mn	0.1	95	100	45	0
Mercury	µg/L as Hg	2	95	100	45	0
Nickel	µg/L as Ni	150	95	100	45	0
Selenium	µg/L as Se	20	95	100	45	0
Vanadium	µg/L as V	200	95	100	45	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	46	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	39	0
Free chlorine	mg/L				601	0
Monochlorine					601	0

Johannesburg Water supplies water to the Johannesburg Metropolitan area.

This water is tested regularly and is compared to the SABS National Standard SANS 241 Edition 6.1

Further information on the quality of water in Johannesburg is also available at the following web sites:

www.johannesburgwater.co.za

www.dwa.gov.za/dir_ws/dwqr