

QUALITY OF WATER SUPPLIED IN JOHANNESBURG
November-14

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	550	0

Physical, organoleptic and chemical requirements

		Class 1 Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
Chemical & Physical properties						
Colour	mg/L as Pt	20	95	100	562	0
Conductivity	mS/m	150	95	100	560	0
Odour	TON	5	95	100	44	0
pH	pH units	5.0 - 9.5	95	100	550	0
Taste	TTN	5	95	100	44	0
Turbidity	NTU	1	95	100	561	2
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	43	0
Calcium	mg/L as Ca	150	95	100	44	0
Chloride	mg/L as Cl	200	95	100	43	0
Fluoride	mg/L as F	1	95	100	43	0
Magnesium	mg/L as Mg	70	95	100	44	0
Nitrate and nitrite	mg/L as N	10	95	100	41	0
Potassium	mg/L as K	50	95	100	44	0
Sodium	mg/L as Na	200	95	100	44	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	44	0
Antimony	µg/L as Sb	10	95	100	44	0
Arsenic	µg/L as As	10	95	100	44	0
Cadmium	µg/L as Cd	5	95	100	44	0
Chromium	µg/L as Cr	100	95	100	44	0
Cobalt	µg/L as Co	500	95	100	44	0
Copper	mg/L as Cu	1	95	100	44	0
Cyanide (Free)	µg/L as CN	50	95	100	42	0
Iron	mg/L as Fe	0.2	95	100	44	0
Lead	µg/L as Pb	20	95	100	44	0
Manganese	mg/L as Mn	0.1	95	100	44	0
Mercury	µg/L as Hg	2	95	100	44	0
Nickel	µg/L as Ni	150	95	100	44	0
Selenium	µg/L as Se	20	95	100	44	0
Vanadium	µg/L as V	200	95	100	44	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	44	0
Total Trihalomethanes	µg/L	200	95	100	13	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	43	0
Free chlorine	mg/L				550	0
Monochloramine					550	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