

QUALITY OF WATER SUPPLIED IN JOHANNESBURG

May-15

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.4	99	561	1

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	367	0
Conductivity	mS/m	150	95	100	541	0
Odour	TON	5	95	100	49	0
pH	pH units	5.0 - 9.5	95	100	565	0
Taste	TTN	5	95	100	49	0
Turbidity	NTU	1	95	100	367	0
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	43	0
Calcium	mg/L as Ca	150	95	100	49	0
Chloride	mg/L as Cl	200	95	100	43	0
Fluoride	mg/L as F	1	95	100	46	0
Magnesium	mg/L as Mg	70	95	100	49	0
Nitrate and nitrite	mg/L as N	10	95	100	43	0
Potassium	mg/L as K	50	95	100	49	0
Sodium	mg/L as Na	200	95	100	49	0
Sulphate	mg/L as SO ₄	400	95	100	43	0
Zinc	mg/L as Zn	5	95	100	49	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	49	0
Antimony	µg/L as Sb	10	95	100	49	0
Arsenic	µg/L as As	10	95	100	45	0
Cadmium	µg/L as Cd	5	95	100	49	0
Chromium	µg/L as Cr	100	95	100	49	0
Cobalt	µg/L as Co	500	95	100	49	0
Copper	mg/L as Cu	1	95	100	49	0
Cyanide (Free)	µg/L as CN	50	95	100	47	0
Iron	mg/L as Fe	0.2	95	100	48	0
Lead	µg/L as Pb	20	95	100	45	0
Manganese	mg/L as Mn	0.1	95	100	49	0
Mercury	µg/L as Hg	2	95	100	49	0
Nickel	µg/L as Ni	150	95	100	49	0
Selenium	µg/L as Se	20	95	100	49	0
Vanadium	µg/L as V	200	95	100	49	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	49	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	15	0
Free chlorine	mg/L				565	
Monochloramine					565	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