

QUALITY OF WATER SUPPLIED IN JOHANNESBURG

April-15

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	551	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	537	0
Conductivity	mS/m	150	95	100	543	0
Odour	TON	5	95	100	45	0
pH	pH units	5.0 - 9.5	95	100	551	0
Taste	TTN	5	95	100	45	0
Turbidity	NTU	1	95	100	537	1
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	45	0
Calcium	mg/L as Ca	150	95	100	46	0
Chloride	mg/L as Cl	200	95	100	45	0
Fluoride	mg/L as F	1	95	100	45	0
Magnesium	mg/L as Mg	70	95	100	47	0
Nitrate and nitrite	mg/L as N	10	95	100	45	0
Potassium	mg/L as K	50	95	100	47	0
Sodium	mg/L as Na	200	95	100	47	0
Sulphate	mg/L as SO ₄	400	95	100	45	0
Zinc	mg/L as Zn	5	95	100	47	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	47	0
Antimony	µg/L as Sb	10	95	100	47	0
Arsenic	µg/L as As	10	95	100	47	0
Cadmium	µg/L as Cd	5	95	100	47	0
Chromium	µg/L as Cr	100	95	100	47	0
Cobalt	µg/L as Co	500	95	100	47	0
Copper	mg/L as Cu	1	95	100	47	0
Cyanide (Free)	µg/L as CN	50	95	100	45	0
Iron	mg/L as Fe	0.2	95	100	47	0
Lead	µg/L as Pb	20	95	100	47	0
Manganese	mg/L as Mn	0.1	95	100	47	0
Mercury	µg/L as Hg	2	95	100	47	0
Nickel	µg/L as Ni	150	95	100	47	0
Selenium	µg/L as Se	20	95	100	47	0
Vanadium	µg/L as V	200	95	100	47	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	47	0
Total Trihalomethanes	µg/L	200	95	100	11	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	44	0
Free chlorine	mg/L				551	0
Monochloramine					551	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