

QUALITY OF WATER SUPPLIED IN JOHANNESBURG

June-14

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	590	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	590	0
Conductivity	mS/m	150	95	100	590	0
Odour	TON	5	95	100	46	0
pH	pH units	5.0 - 9.5	95	100	590	0
Taste	TTN	5	95	100	46	0
Turbidity	NTU	1	95	100	590	2
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	42	0
Calcium	mg/L as Ca	150	95	100	46	0
Chloride	mg/L as Cl	200	95	100	42	0
Fluoride	mg/L as F	1	95	100	42	0
Magnesium	mg/L as Mg	70	95	100	46	0
Nitrate and nitrite	mg/L as N	10	95	100	22	0
Potassium	mg/L as K	50	95	100	46	0
Sodium	mg/L as Na	200	95	100	46	0
Sulphate	mg/L as SO ₄	400	95	100	42	0
Zinc	mg/L as Zn	5	95	100	46	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	46	0
Antimony	µg/L as Sb	10	95	100	46	0
Arsenic	µg/L as As	10	95	100	46	0
Cadmium	µg/L as Cd	5	95	100	46	0
Chromium	µg/L as Cr	100	95	100	46	0
Cobalt	µg/L as Co	500	95	100	46	0
Copper	mg/L as Cu	1	95	100	46	0
Cyanide (Free)	µg/L as CN	50	95	100	42	0
Iron	mg/L as Fe	0.2	95	100	46	0
Lead	µg/L as Pb	20	95	100	46	0
Manganese	mg/L as Mn	0.1	95	100	46	0
Mercury	µg/L as Hg	2	95	100	46	0
Nickel	µg/L as Ni	150	95	100	46	0
Selenium	µg/L as Se	20	95	100	46	0
Vanadium	µg/L as V	200	95	100	46	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	46	0
Total Trihalomethanes	µg/L	200	95	100	13	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	42	0
Free chlorine	mg/L				590	0
Monochlorine					590	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