

QUALITY OF WATER SUPPLIED IN JOHANNESBURG

July-15

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.4	100	553	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	540	0
Conductivity	mS/m	150	95	100	443	0
Odour	TON	5	95	100	48	0
pH	pH units	5.0 - 9.5	95	100	553	0
Taste	TTN	5	95	100	48	0
Turbidity	NTU	1	95	100	544	1
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	13	0
Calcium	mg/L as Ca	150	95	100	48	0
Chloride	mg/L as Cl	200	95	100	10	0
Fluoride	mg/L as F	1	95	100	0	0
Magnesium	mg/L as Mg	70	95	100	48	0
Nitrate and nitrite	mg/L as N	10	95	100	10	0
Potassium	mg/L as K	50	95	100	48	0
Sodium	mg/L as Na	200	95	100	48	0
Sulphate	mg/L as SO ₄	400	95	100	8	0
Zinc	mg/L as Zn	5	95	100	48	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	48	0
Antimony	µg/L as Sb	10	95	100	46	0
Arsenic	µg/L as As	10	95	100	48	0
Cadmium	µg/L as Cd	5	95	100	48	0
Chromium	µg/L as Cr	100	95	100	48	0
Cobalt	µg/L as Co	500	95	100	48	0
Copper	mg/L as Cu	1	95	100	41	0
Cyanide (Free)	µg/L as CN	50	95	100	48	0
Iron	mg/L as Fe	0.2	95	100	48	0
Lead	µg/L as Pb	20	95	100	48	0
Manganese	mg/L as Mn	0.1	95	100	48	0
Mercury	µg/L as Hg	2	95	100	42	0
Nickel	µg/L as Ni	150	95	100	48	0
Selenium	µg/L as Se	20	95	100	48	0
Vanadium	µg/L as V	200	95	100	48	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	29	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	43	0
Free chlorine	mg/L				553	
Monochloramine					553	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