



a world class African city

City of Johannesburg
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QUALITY OF WATER SUPPLIED IN JOHANNESBURG

February-15

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	529	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	529	0
Conductivity	mS/m	150	95	100	528	0
Odour	TON	5	95	100	49	0
pH	pH units	5.0 - 9.5	95	100	529	0
Taste	TTN	5	95	100	49	0
Turbidity	NTU	1	95	100	529	0
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100		0
Calcium	mg/L as Ca	150	95	100	50	0
Chloride	mg/L as Cl	200	95	100		0
Fluoride	mg/L as F	1	95	100		0
Magnesium	mg/L as Mg	70	95	100	50	0
Nitrate and nitrite	mg/L as N	10	95	100		0
Potassium	mg/L as K	50	95	100	50	0
Sodium	mg/L as Na	200	95	100	50	0
Sulphate	mg/L as SO ₄	400	95	100		0
Zinc	mg/L as Zn	5	95	100	46	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	50	0
Antimony	µg/L as Sb	10	95	100	50	0
Arsenic	µg/L as As	10	95	100	50	0
Cadmium	µg/L as Cd	5	95	100	50	0
Chromium	µg/L as Cr	100	95	100	50	0
Cobalt	µg/L as Co	500	95	100	50	0
Copper	mg/L as Cu	1	95	100	50	0
Cyanide (Free)	µg/L as CN	50	95	100	48	0
Iron	mg/L as Fe	0.2	95	100	50	0
Lead	µg/L as Pb	20	95	100	46	0
Manganese	mg/L as Mn	0.1	95	100	50	0
Mercury	µg/L as Hg	2	95	100	50	0
Nickel	µg/L as Ni	150	95	100	50	0
Selenium	µg/L as Se	20	95	100	50	0
Vanadium	µg/L as V	200	95	100	50	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	50	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	50	0
Free chlorine	mg/L				529	
Monochloramine					529	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