



a world class African city

City of Johannesburg
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QUALITY OF WATER SUPPLIED IN JOHANNESBURG
October-15

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.4	100	559	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	555	0
Conductivity	mS/m	150	95	100	551	0
Odour	TON	5	95	100	56	0
pH	pH units	5.0 - 9.5	95	100	559	0
Taste	TTN	5	95	100	56	0
Turbidity	NTU	1	95	100	551	0
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	50	0
Calcium	mg/L as Ca	150	95	100	56	0
Chloride	mg/L as Cl	200	95	100	52	0
Fluoride	mg/L as F	1	95	100	48	0
Magnesium	mg/L as Mg	70	95	100	56	0
Nitrate and nitrite	mg/L as N	10	95	100	53	0
Potassium	mg/L as K	50	95	100	56	0
Sodium	mg/L as Na	200	95	100	56	0
Sulphate	mg/L as SO ₄	400	95	100	43	0
Zinc	mg/L as Zn	5	95	100	56	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	56	0
Antimony	µg/L as Sb	10	95	100	56	0
Arsenic	µg/L as As	10	95	100	56	0
Cadmium	µg/L as Cd	5	95	100	56	0
Chromium	µg/L as Cr	100	95	100	56	0
Cobalt	µg/L as Co	500	95	100	56	0
Copper	mg/L as Cu	1	95	100	56	0
Cyanide (Free)	µg/L as CN	50	95	100	56	0
Iron	mg/L as Fe	0.2	95	100	56	0
Lead	µg/L as Pb	20	95	100	56	0
Manganese	mg/L as Mn	0.1	95	100	56	0
Mercury	µg/L as Hg	2	95	100	51	0
Nickel	µg/L as Ni	150	95	100	56	0
Selenium	µg/L as Se	20	95	100	56	0
Vanadium	µg/L as V	200	95	100	56	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	56	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	56	0
Free chlorine	mg/L				559	
Monochloramine					559	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