

**QUALITY OF WATER SUPPLIED IN JOHANNESBURG**  
October-14

**Microbiological safety requirements**

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	582	0

**Physical, organoleptic and chemical requirements**

		Class 1 Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
<b>Chemical &amp; Physical properties</b>						
Colour	mg/L as Pt	20	95	100	573	0
Conductivity	mS/m	150	95	100	571	0
Odour	TON	5	95	100	51	0
pH	pH units	5.0 - 9.5	95	100	582	0
Taste	TTN	5	95	100	51	0
Turbidity	NTU	1	95	99	573	4
<b>Chemical requirements - macro-determinand</b>						
Ammonia	mg/L as N	1	95	100		0
Calcium	mg/L as Ca	150	95	100	51	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	51	0
Nitrate and nitrite	mg/L as N	10	95	100		0
Potassium	mg/L as K	50	95	100	51	0
Sodium	mg/L as Na	200	95	100	51	0
Sulphate	mg/L as SO <sub>4</sub>	400	95	100		0
Zinc	mg/L as Zn	5	95	100	51	0
<b>Chemical requirements - micro-determinand</b>						
Aluminium	mg/L as Al	0.3	95	100	51	0
Antimony	µg/L as Sb	10	95	100	51	0
Arsenic	µg/L as As	10	95	100	51	0
Cadmium	µg/L as Cd	5	95	100	51	0
Chromium	µg/L as Cr	100	95	100	51	0
Cobalt	µg/L as Co	500	95	100	51	0
Copper	mg/L as Cu	1	95	100	51	0
Cyanide (Free)	µg/L as CN	50	95	100	51	0
Iron	mg/L as Fe	0.2	95	100	51	0
Lead	µg/L as Pb	20	95	100	51	0
Manganese	mg/L as Mn	0.1	95	100	51	0
Mercury	µg/L as Hg	2	95	100	51	0
Nickel	µg/L as Ni	150	95	100	51	0
Selenium	µg/L as Se	20	95	100	51	0
Vanadium	µg/L as V	200	95	100	51	0
<b>Chemical requirements - organic determinands</b>						
Dissolved Organic Carbon	mg/L as C	10	95	100	51	0
Total Trihalomethanes	µg/L	200	95	100	13	0
Phenols as C <sub>6</sub> H <sub>5</sub> OH	µg/L	10	95	100	52	0
Free chlorine	mg/L				582	0
Monochloramine					582	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](http://www.johannesburgwater.co.za)  
[www.dwa.gov.za/dir\\_ws/dwqr](http://www.dwa.gov.za/dir_ws/dwqr)