

**QUALITY OF WATER SUPPLIED IN JOHANNESBURG**

June-15

**Microbiological safety requirements**

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.4	100	549	0

**Physical, organoleptic and chemical requirements**

		Class I 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	544	0
Conductivity	mS/m	150	95	100	542	0
Odour	TON	5	95	100	54	0
pH	pH units	5.0 - 9.5	95	100	549	0
Taste	TTN	5	95	100	54	0
Turbidity	NTU	1	95	100	544	0
<b>Chemical requirements - macro-determinand</b>						
Ammonia	mg/L as N	1	95	100	53	0
Calcium	mg/L as Ca	150	95	100	54	0
Chloride	mg/L as Cl	200	95	100	53	0
Fluoride	mg/L as F	1	95	100	54	0
Magnesium	mg/L as Mg	70	95	100	53	0
Nitrate and nitrite	mg/L as N	10	95	100	51	0
Potassium	mg/L as K	50	95	100	53	0
Sodium	mg/L as Na	200	95	100	54	0
Sulphate	mg/L as SO <sub>4</sub>	400	95	100	53	0
Zinc	mg/L as Zn	5	95	100	54	0
<b>Chemical requirements - micro-determinand</b>						
Aluminium	mg/L as Al	0.3	95	100	54	0
Antimony	µg/L as Sb	10	95	100	52	0
Arsenic	µg/L as As	10	95	100	53	0
Cadmium	µg/L as Cd	5	95	100	54	0
Chromium	µg/L as Cr	100	95	100	53	0
Cobalt	µg/L as Co	500	95	100	54	0
Copper	mg/L as Cu	1	95	100	53	0
Cyanide (Free)	µg/L as CN	50	95	100	39	0
Iron	mg/L as Fe	0.2	95	100	54	0
Lead	µg/L as Pb	20	95	100	53	0
Manganese	mg/L as Mn	0.1	95	100	54	0
Mercury	µg/L as Hg	2	95	100	54	0
Nickel	µg/L as Ni	150	95	100	53	0
Selenium	µg/L as Se	20	95	100	54	0
Vanadium	µg/L as V	200	95	100	53	0
<b>Chemical requirements - organic determinands</b>						
Dissolved Organic Carbon	mg/L as C	10	95	100	44	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C <sub>6</sub> H <sub>5</sub> OH	µg/L	10	95	100	33	0
Free chlorine	mg/L				549	0
Monochloramine					549	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)