



City of Johannesburg  
Johannesburg Water (SOC) Ltd

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## QUALITY OF WATER SUPPLIED IN JOHANNESBURG

October-18

### Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.0	99.7	685	2

### Physical, organoleptic and chemical requirements

		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	677	0
Conductivity	mS/m	150	95	100	677	0
Odour	TON	5	95	100	57	0
pH	pH units	5.0 - 9.5	95	100	685	0
Taste	TTN	5	95	100	57	0
Turbidity	NTU	1	95	100	677	0
<b>Chemical requirements - macro-determinand</b>						
Ammonia	mg/L as N	1	95	100	54	0
Calcium	mg/L as Ca	150	95	100	58	0
Chloride	mg/L as Cl	200	95	100	54	0
Fluoride	mg/L as F	1	95	100	54	0
Magnesium	mg/L as Mg	70	95	100	58	0
Nitrate and nitrite	mg/L as N	10	95	100	54	0
Potassium	mg/L as K	50	95	100	58	0
Sodium	mg/L as Na	200	95	100	16	0
Sulphate	mg/L as SO <sub>4</sub>	400	95	100	54	0
Zinc	mg/L as Zn	5	95	100	41	0
<b>Chemical requirements - micro-determinand</b>						
Aluminium	mg/L as Al	0.3	95	100	58	0
Antimony	µg/L as Sb	10	95	100	16	0
Arsenic	µg/L as As	10	95	100	58	0
Cadmium	µg/L as Cd	5	95	100	58	0
Chromium	µg/L as Cr	100	95	100	58	0
Cobalt	µg/L as Co	500	95	100	58	0
Copper	mg/L as Cu	1	95	100	17	0
Cyanide (Free)	µg/L as CN	50	95	100	58	0
Iron	mg/L as Fe	0.2	95	100	16	0
Lead	µg/L as Pb	20	95	100	58	0
Manganese	mg/L as Mn	0.1	95	100	58	0
Mercury	µg/L as Hg	2	95	100	40	0
Nickel	µg/L as Ni	150	95	100	32	0
Selenium	µg/L as Se	20	95	100	16	0
Vanadium	µg/L as V	200	95	100	58	0
<b>Chemical requirements - organic determinands</b>						
Dissolved Organic Carbon	mg/L as C	10	95	100	58	0
Total Trihalomethanes	µg/L	200	95	100	10	0
Phenols as C <sub>6</sub> H <sub>5</sub> OH	µg/L	10	95	100	58	0
Free chlorine	mg/L				685	0
Monochloramine					685	0

Johannesburg Water supplies water to the Johannesburg Metropolitan area.

This water is tested regularly and is compared to the SABS National Standard SANS 241-1 : 2015

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)

<https://www.johannesburgwater.co.za/about/resource-centre/>