



City of Johannesburg  
Johannesburg Water (SOC) Ltd

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**QUALITY OF WATER SUPPLIED IN JOHANNESBURG**

August-20

**Microbiological safety requirements**

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.0	99.7	655	

**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	647	0
Conductivity	mS/m	150	95	100	647	0
Odour	TON	5	95	100	51	0
pH	pH units	5.0 - 9.5	95	100	655	0
Taste	TTN	5	95	100	51	0
Turbidity	NTU	1	95	91.3	638	0
<b>Chemical requirements - macro-determinand</b>						
Ammonia	mg/L as N	1	95	100		0
Calcium	mg/L as Ca	150	95	***		0
Chloride	mg/L as Cl	200	95	100		0
Fluoride	mg/L as F	1	95	96		0
Magnesium	mg/L as Mg	70	95	***		0
Nitrate and nitrite	mg/L as N	10	95	100		0
Potassium	mg/L as K	50	95	***		0
Sodium	mg/L as Na	200	95	***		0
Sulphate	mg/L as SO <sub>4</sub>	400	95	100		0
Zinc	mg/L as Zn	5	95	***		0
<b>Chemical requirements - micro-determinand</b>						
Aluminium	mg/L as Al	0.3	95	***		0
Antimony	µg/L as Sb	10	95	***		0
Arsenic	µg/L as As	10	95	***		0
Cadmium	µg/L as Cd	5	95	***		0
Chromium	µg/L as Cr	100	95	***		0
Cobalt	µg/L as Co	500	95	***		0
Copper	mg/L as Cu	1	95	***		0
Cyanide (Free)	µg/L as CN	50	95	100	48	0
Iron	mg/L as Fe	0.2	95	***		0
Lead	µg/L as Pb	20	95	***		0
Manganese	mg/L as Mn	0.1	95	***		0
Mercury	µg/L as Hg	2	95	***		0
Nickel	µg/L as Ni	150	95	***		0
Selenium	µg/L as Se	20	95	***		0
Vanadium	µg/L as V	200	95	***		0
<b>Chemical requirements - organic determinands</b>						
Dissolved Organic Carbon	mg/L as C	10	95	100	52	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	47	0
Free chlorine	mg/L				655	0
Monochloramine					655	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

\*\*\*Johannesburg Water is currently experiencing a backlog in publishing the water quality reports due to unforeseen circumstances, which includes the national lockdown. We are working to resolve these issues and the final report will be made available as soon as possible.

We do apologise for any inconvenience.

Further information on the quality of water in Johannesburg is also available at the following web sites:

[www.dwa.gov.za/dir\\_ws/dwqr](http://www.dwa.gov.za/dir_ws/dwqr)

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