



City of Johannesburg
Johannesburg Water (Pty) Ltd

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a world class African city

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QUALITY OF WATER SUPPLIED IN JOHANNESBURG

March-14

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	586	5

Physical, organoleptic and chemical requirements

		Class 1 Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
Chemical & Physical properties						
Colour	mg/L as Pt	20	95	100	577	0
Conductivity	mS/m	150	95	100	577	0
Odour	TON	5	95	100	44	0
pH	pH units	5.0 - 9.5	95	100	586	0
Taste	TTN	5	95	100	44	0
Turbidity	NTU	1	95	99	577	0
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	35	0
Calcium	mg/L as Ca	150	95	100	54	0
Chloride	mg/L as Cl	200	95	100	49	0
Fluoride	mg/L as F	1	95	100	10	0
Magnesium	mg/L as Mg	70	95	100	54	0
Nitrate and nitrite	mg/L as N	10	95	100	40	0
Potassium	mg/L as K	50	95	100	54	0
Sodium	mg/L as Na	200	95	100	54	0
Sulphate	mg/L as SO4	400	95	100	22	0
Zinc	mg/L as Zn	5	95	100	54	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	54	0
Antimony	µg/L as Sb	10	95	100	54	0
Arsenic	µg/L as As	10	95	100	54	0
Cadmium	µg/L as Cd	5	95	100	54	0
Chromium	µg/L as Cr	100	95	100	54	0
Cobalt	µg/L as Co	500	95	100	54	0
Copper	mg/L as Cu	1	95	100	54	0
Cyanide (Free)	µg/L as CN	50	95	100	47	0
Iron	mg/L as Fe	0.2	95	100	54	0
Lead	µg/L as Pb	20	95	100	54	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	54	0
Selenium	µg/L as Se	20	95	100	54	0
Vanadium	µg/L as V	200	95	100	54	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	54	0
Total Trihalomethanes	µg/L	200	95	100	13	0
Phenols as C6H5OH	µg/L	10	95	100	49	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