

QUALITY OF WATER SUPPLIED IN JOHANNESBURG
December-14

Microbiological safety requirements

		Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
E.coli	count/100ml	0	99.8	100	552	0

Physical, organoleptic and chemical requirements

		Class I Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
Chemical & Physical properties						
Colour	mg/L as Pt	20	95	100	551	0
Conductivity	mS/m	150	95	100	549	0
Odour	TON	5	95	100	47	0
pH	pH units	5.0 - 9.5	95	100	552	0
Taste	TTN	5	95	100	47	0
Turbidity	NTU	1	95	100	551	2
Chemical requirements - macro-determinand						
Ammonia	mg/L as N	1	95	100	47	0
Calcium	mg/L as Ca	150	95	100	47	0
Chloride	mg/L as Cl	200	95	100	47	0
Fluoride	mg/L as F	1	95	100	47	0
Magnesium	mg/L as Mg	70	95	100	47	0
Nitrate and nitrite	mg/L as N	10	95	100	47	0
Potassium	mg/L as K	50	95	100	47	0
Sodium	mg/L as Na	200	95	100	47	0
Sulphate	mg/L as SO ₄	400	95	100	47	0
Zinc	mg/L as Zn	5	95	100	47	0
Chemical requirements - micro-determinand						
Aluminium	mg/L as Al	0.3	95	100	47	0
Antimony	µg/L as Sb	10	95	100	47	0
Arsenic	µg/L as As	10	95	100	47	0
Cadmium	µg/L as Cd	5	95	100	47	0
Chromium	µg/L as Cr	100	95	100	47	0
Cobalt	µg/L as Co	500	95	100	47	0
Copper	mg/L as Cu	1	95	100	47	0
Cyanide (Free)	µg/L as CN	50	95	100	47	0
Iron	mg/L as Fe	0.2	95	100	47	0
Lead	µg/L as Pb	20	95	100	47	0
Manganese	mg/L as Mn	0.1	95	100	47	0
Mercury	µg/L as Hg	2	95	100	47	0
Nickel	µg/L as Ni	150	95	100	47	0
Selenium	µg/L as Se	20	95	100	47	0
Vanadium	µg/L as V	200	95	100	47	0
Chemical requirements - organic determinands						
Dissolved Organic Carbon	mg/L as C	10	95	100	47	0
Total Trihalomethanes	µg/L	200	95	100	12	0
Phenols as C ₆ H ₅ OH	µg/L	10	95	100	47	0
Free chlorine	mg/L				552	0
Monochloramine					552	0