

QUALITY WATER SUPPLIED FROM RUSTFONTEIN PLANT IN MODDER RIVER REGION

JANUARY – SEPTEMBER 2015

Microbiological Safety Requirements

	Count/ml	Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
HPC	Count/100ml	0	99.0	100.0	593	0
E.Coli	Count/100ml	0	99.0	100.0	593	0
FC	Count/100ml	0	99.0	100.0	593	0

Physical and Chemical Requirements

		Class 1 Limit	Compliance Target %	Compliance Achieved %	Number of tests	Number of non-compliances
Conductivity	mS/m	150	95	100	184	0
pH	pH units	5.0 – 9.5	95	100	184	0
Turbidity	NTU	0 – 1.0	95	100	184	0
Chemical Requirements – macro-determinants						
Ammonia	mg/l as N	1	95	100	184	0
Calcium H	mg/l as Ca	500	95	100	184	0
Chloride	mg/l as Cl	200	95	100	184	0
Fluoride	mg/l as F	1	95	100	23	0
Magnesium H	mg/l as Mg	70	95	100	184	0
Potassium	mg/l as K	50	95	100	184	0
Chemical Requirements – micro-determinants						
Arsenic	µg/L as As	10	95	100	23	0
Iron	mg/L as Fe	0.2	95	100	23	0
Manganese	mg/L as Mn	0.1	95	100	23	0
Aluminium	mg/L as Al	0.3	95	100	184	0
Copper	mg/L as Cu	1	95	100	23	0
Chemical Requirements – macro-determinants						
DOC	mg/L as C	10	95	100	4	0
Total Trihalomethanes	µg/L	200	95	100	4	0

Modder River Region at Rustfontein plant supplies water to Botshabelo, Thaba-Nchu and partially Bloemfontein areas. This water is tested regularly and is compared to the SANS 241.2011

Further information on the water quality of Bloemwater is also available at the following web site.

www.bloemwater.co.za

www.dwa.gov.za/mywater