

**QUALITY WATER SUPPLIED FROM WELBEDACHT PLANT IN CALEDON RIVER REGION**

**JANUARY – AUGUST 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	<b>352</b>	0
E.Coli	Count/100ml	0	99.0	100.0	<b>352</b>	0
FC	Count/100ml	0	99.0	100.0	<b>352</b>	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	<b>112</b>	0
pH	pH units	5.0 – 9.5	95	100	<b>112</b>	0
Turbidity	NTU	0 – 1.0	95	100	<b>114</b>	0
<b>Chemical Requirements – macro-determinants</b>						
Ammonia	mg/l as N	1	95	100	<b>112</b>	0
Calcium H	mg/l as Ca	500	95	100	<b>352</b>	0
Chloride	mg/l as Cl	200	95	100	<b>112</b>	0
Fluoride	mg/l as F	1	95	100	<b>1</b>	0
Magnesium H	mg/l as Mg	70	95	100	<b>352</b>	0
Potassium	mg/l as K	50	95	100	<b>112</b>	0
<b>Chemical Requirements – micro-determinants</b>						
Arsenic	µg/L as As	10	95	100	<b>1</b>	0
Iron	mg/L as Fe	0.2	95	100	<b>2</b>	0
Manganese	mg/L as Mn	0.1	95	100	<b>2</b>	0
Aluminium	mg/L as Al	0.3	95	100	<b>112</b>	0
Copper	mg/L as Cu	1	95	100	<b>1</b>	0
<b>Chemical Requirements – macro-determinants</b>						
DOC	mg/L as C	10	95	100	<b>0</b>	0
Total Trihalomethanes	µg/L	200	95	100	<b>1</b>	0

**CALEDON Region supplies water to Wepener, De Wetsdorp, Reddersburg, Edenburg, 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](http://www.bloemwater.co.za)

[www.dwa.gov.za/mywater](http://www.dwa.gov.za/mywater)