

**EMTHANJENI MUNICIPALITY
KENNISGEWING**

WATER KWALITEIT: CHEMIESE EN BATERIOLOGIESE WATER ANALISE

Emthanjeni Munisipaliteit doen eenkeer per jaar 'n volledige SANS 241 water analise. Die doel van die analise is om te verseker dat skoon drink water aan alle verbruikers voorsien word asook dat die kwaliteit aan voorgeskrewe standaarde voldoen.

Die onderstaande tabel gee 'n uiteensetting van die verskillende analises en ook die voorgeskrewe vereistes waaraan dit moet voldoen.

Analyte	Value				SANS Specifications
	De Aar West	De Aar East	Britstown	Hanover	
Aluminium	0.0085 mg/l	0.027 mg/l	0.065 mg/l	0.075 mg/l	<0.3
Ammonia	<0.049 mg/l	<0.049 mg/l	<0.049 mg/l	<0.049 mg/l	<1.000
Antimony Total	0.00010 mg/l	0.000040 mg/l	0.00010 mg/l	0.00082 mg/l	<0.010
Cadmium	0.00055 mg/l	0.0011 mg/l	0.0012 mg/l	<0.00055 mg/l	<0.005
Calcium	51mg/l	66 mg/l	65 mg/l	77 mg/l	<150.00
Chloride	180 mg/l	70 mg/l	72 mg/l	47 mg/l	<200.0
Cobalt	0.00019 mg/l	0.00026 mg/l	0.00059 mg/l	0.00034 mg/l	<0.500
Electric Conductivity @ 25°C	170 mS/m	110 mS/m	110 mS/m	86 mS/m	<150.0
Copper	0.25 mg/l	0.12 mg/l	0.39 mg/l	0.056 mg/l	<1.0
Cyanide Free	<0.005 mg/l	<0.005 mg/l	<0.005 mg/l	<0.005 mg/l	<0.050
Fluoride	0.97 mg/l	0.81 mg/l	0.83 mg/l	0.74 mg/l	<1.00
Iron	0.44 mg/l	0.76 mg/l	0.78 mg/l	0.80 mg/l	<0.200
Lead	0.0032 mg/l	0.0019 mg/l	0.0023 mg/l	0.0005 mg/l	<0.020
Magnesium	51mg/l	44 mg/l	44 mg/l	41 mg/l	<70.00
Mercury	0.40 ug/l	0.39 ug/l	0.44 ug/l	0.33 ug/l	<1
Manganese	0.0065 mg/l	0.00031 mg/l	0.04 mg/l	0.013 mg/l	<0.100
Nickel	0.068 mg/l	0.066 mg/l	0.061 mg/l	0.070 mg/l	<0.15
Nitrate	1.8 mg/l	4.2 mg/l	4.3 mg/l	9.9 mg/l	<10.00
Phenol	<0.005 mg/l	<0.005 mg/l	<0.005 mg/l	<0.005 mg/l	<10
Potassium	1.1 mg/l	2.1 mg/l	2.3 mg/l	2.4 mg/l	<50.00
Sodium	250 mg/l	100 mg/l	110 mg/l	46 mg/l	<200
Sulfate	150 mg/l	75 mg/l	82 mg/l	36 mg/l	<400.0
Turbidity	2.0 NTU	<2 NTU	<2 NTU	2.0 NTU	<5
Vanadium	0.081 mg/l	0.025 mg/l	0.025 mg/l	0.046 mg/l	<0.200
Zinc	0.069 mg/l	0.068 mg/l	0.18 mg/l	0.053 mg/l	<5.0
pH	8.2	7.8	7.7	7.8	5.0 – 9.5
E-coli Type 1	0	0	0	0	0
Arsenic	0.0036 mg/l	0.0035 mg/l	0.0028 mg/l	0.0024 mg/l	<0.010
Colour	0 Pt	0 Pt	0 Pt	0 Pt	<20
Chromium Total	0.15 mg/l	0.13 mg/l	0.11 mg/l	0.12 mg/l	<0.100
Selenium Total	6.7 ug/l	6.5 ug/l	6.4 ug/l	6.7 ug/l	<20
Total coliform count	4	4	89	0	<0.100
Dissolved solids @ 180 °C	590 mg/l	580 mg/l	690 mg/l	480 mg/l	<1000

Maandeliks word bakteriologiese analise gedoen en is die uitslae beskikbaar by die Direkoraat Infrastruktuur en Behuisingsdienste.

Verdere navrae kan Mnr.FD. Taljaard gekontak word by telefoon no 053 632 9100 of 082 801 6869.

**I.VISSER
MUNISIPALE BESTUURDER**