



(PTY) LTD 2018/379064/07  
**REGEN WATERS**  
 LABORATORY • LABORATORIUM

4 Woltemade Street  
 P.O. Box 8328  
 WITBANK 1035  
 Tel.: 013-690-1487  
 Fax: 013-656-5050  
 E-mail: regenlab@mweb.co.za

### MICROBIOLOGICAL ANALYSIS TEST REPORT

Sample From: Nkangala District Municipality Municipal Health Services  
 Emakhazeni Town Council

Address: Posbus 437

Walter Sisulu

Middelburg

1050

Attention: Marianne Joubert

Solly Links

E-Mail : [marianne.joubert2011@gmail.com](mailto:marianne.joubert2011@gmail.com)

Ref No: E 252 - 254 / 19 B

Date Received: 07 May 2019

Date Analyzed: 07 May 2019

Date Reported: 09 May 2019

Quantity Analyzed: 3

LAB REF ID	LAB NUMBER	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
					≤ 10 TOTAL COLIFORM BACTERIA PER / 100ML	Nil FAECAL COLIFORM PER / 100 ML	Nil ESCHERISCHIA COLIFORM PER 100 ML	≤ 1000 HETEROTROPHIC PLATE COUNT PER 1.0 ML	
		<b>BELFAST</b>	YES	NO		A / B			
<b>D</b>	<b>E 252</b>	<b>NBF22/5/19: HA Grove Hospital</b>	<b>X</b>		<b>&gt;200</b>	<b>B</b>	<b>Nil</b>	<b>Nil</b>	<b>143</b>
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)	SANS 5221 (CFU)	COLILERT (MPN)	SANS 5221 (CFU)	REGEN WATERS METHOD: MLPM 4A AND 4B.

#### S.A.N.S. 241:2015 MICROBIOLOGICAL REQUIREMENTS Allowable compliance for DRINKING WATER

Determinant	Risk	Unit	Standard limits
Escherichia Coliform / or Faecal Coliform bacteria	Acute Health - 1	Count per 100 ml	Not Detected
Heterotrophic Plate Count	Operational	Count per 1 ml	≤ 1 000
Total Coliform Bacteria	Operational	Count per 100 ml	≤ 10

Results exceeding alert levels will require immediate remedial action and follow-up sampling.

#### EFFLUENT WATER

Regional Standard (Department Water Affairs and Forestry) of 26 March 2004 No.399 for Waste water specifies : Waste water or Effluent shall not contain more than 1000 Faecal Coliform per 100 ml.

**SANS 241  
 2015**

These results relate only to samples tested.  
 Opinions and interpretations expressed herein are outside the scope of SANAS accreditation.

# - Samples highlighted in grey are not within the limits as specified.

#### REMARKS:

- a.) Sample NBF22/5/19: HA Grove Hospital has a Total Coliform count not within the SANS 241:2015 limit. These bacteria are not pathogenic (disease forming) but it is advised to chlorinate the water for total disinfection.

P.L.G UYS / A.KOHR  
 Technical Signatory



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 Emakhazeni Town Council

Address: Posbus 437  
 Walter Sisulu  
 Middelburg  
 1050

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Attention: Marianne Joubert  
 Solly Links  
 E-Mail : [marianne.joubert2011@gmail.com](mailto:marianne.joubert2011@gmail.com)  
 Ref No: E 252 - 254 / 19 B

LAB REF ID	LAB NUMBER	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS			
					≤ 10	Nil	Nil	≤ 1000
					TOTAL COLIFORM BACTERIA PER / 100ML	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
		<b>DULLSTROOM</b>	YES	NO		A / B		
D	E 253	NDS20/5/2019: Sakhelwe Clinic	X		Nil	B	Nil	8
D	E 254	NDS21/5/19: Sakhelwe Community Hall	X		2	B	Nil	9
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)	SANS 5221 (CFU)	COLILERT (MPN)	SANS 5221 (CFU)
REGEN WATERS METHOD: MLPM 4A AND 4B.								

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REMARKS:

- a.) Samples NDS20/5/2019: Sakhelwe Clinic, NDS21/5/19: Sakhelwe Community Hall complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. These water samples are bacteriologically suitable for domestic use.

P.L.G UYS / A.KOHRIS  
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