



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

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**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

Ref No: C 419 - 427 / 19 B

Date Received: 11 March 2019

Date Analyzed: 11 March 2019

Date Reported: 13 March 2019

Quantity Analyzed: 9

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	
BELFAST					YES	NO	A / B		
D	C 419	NBF10/3/19: Siyathuthuka Clinic	x		1	B	Nil	Nil	4
D	C 420	NBF11/3/19: Leratong Creche'	x		4	B	Nil	Nil	6
D	C 421	NBF12/3/19: Siyathuthuka Community Hall	x		1	B	Nil	Nil	7
D	C 422	NBF13/3/19: HA Grove Hospital	x		15	B	Nil	Nil	8
METHOD USED					A- SANS 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 NBF13/3/19: 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.
- b.) Samples NBF10/3/19: Siyathuthuka Clinic, NBF11/3/19: Leratong Creche', NBF12/3/19: Siyathuthuka 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.KOHR

Technical Signatory

(A signed copy of this report is available)



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**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

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

Address: Posbus 437
 Walter Sisulu
 Middelburg
 1050

Date Received: 11 March 2019
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Attention: Marianne Joubert
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 E-Mail: marianne.joubert2011@gmail.com
 Ref No: C 419 - 427 / 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	ESCHERICHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML	
		BELFAST	YES	NO	A / B				
D	C 423	NBF14/3/19: Bottom End Liquor Store	x		Nil	B	Nil	Nil	4
D	C 424	NBF15/3/19: Belfast Old Age Home	x		Nil	B	Nil	Nil	5
D	C 425	NBF16/3/19: Siyathuthuka Reservoir	x		Nil	B	Nil	Nil	7
D	C 426	NBF17/3/19: Belfast Old Age Home	x		Nil	B	Nil	Nil	4
D	C 427	NBF18/3/19: Belfast New Reservoir	x		Nil	B	Nil	Nil	18
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
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- Samples highlighted in grey are not within the limits as specified.

REMARKS:

- a.) Samples NBF14/3/19: Bottom End Liquor Store, NBF15/3/19: Belfast Old Age Home, NBF16/3/19: Siyathuthuka Reservoir, NBF17/3/19: Belfast Old Age Home, NBF18/3/19: Belfast New Reservoir complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. These water samples are bacteriologically suitable for domestic use.

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