



CK. 89/14418/23
REGEN WATERS
 LABORATORY • LABORATORIUM

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 WITBANK 1035
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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:

28-Nov-18

Date Analyzed:

28-Nov-18

Date Reported:

11/300

Quantity Analyzed:

6

Ref No: K 1698 - 1703 / 18 B

LAB REF ID	LAB NO	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
		MACHADODORP	YES	NO		A / B		
D	K 1698	NMH23/11/18: Machado Steeltank	X		Nil	B	Nil	17
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)	SANS 5221	COLILERT (MPN)	SANS 5221
REGEN WATERS METHOD: MLPM 4A AND 4B.								

S.A.N.S. 241-1:2015 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.

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 NMH23/11/18: Machado Steeltank complies with the SANS 241:2015 microbiological drinking water standard for the tested parameters. The water is bacteriologically suitable for domestic use.

P.L.G UYS / A.KOHRIS

Technical Signatory

(A signed copy of this report is available)

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Edition 2
2015



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					TOTAL COLIFORM BACTERIA PER / 100ML	A / B	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
BELFAST			YES	NO					
D	K 1699	NBF22/11/18: Siyathuthuka Clinic	X		Nil	B	Nil	Nil	11
D	K 1700	NBF23/11/18: Stand 3423/3	X		Nil	B	Nil	Nil	7
D	K 1701	NBF24/11/18: Bottom End Liquor Store	X		Nil	B	Nil	Nil	8
D	K 1702	NBF25/11/18: Belfast Old Reservoir	X		Nil	B	Nil	Nil	4
D	K 1703	NBF26/11/18: Belfast New Reservoir	X		Nil	B	Nil	Nil	7
METHOD USED					A - SANAS 5221 (CFU) OR B - COLILERT (MPN)		SANS 5221	COLILERT (MPN)	SANS 5221
REGEN WATERS METHOD: MLPM 4A AND 4B.									

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

REMARKS:

- a.) Samples NBF22/11/18: Siyathuthuka Clinic, NBF23/11/18: Stand 3423/3, NBF24/11/18: Bottom End Liquor Store, NBF25/11/18: Belfast Old Reservoir, NBF26/11/18: 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.

P.L.G UYS / A.KOHRS

Technical Signatory

(A signed copy of this report is available)

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 2015