



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

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**MICROBIOLOGICAL ANALYSIS
 TEST REPORT**

Sample From:

**EMAKHAZENI LOCAL
 MUNICIPALITY**

Address: P O Box 17
 Belfast
 1100

Date Received: 25-Sep-18
 Date Analyzed: 25-Sep-18
 Date Reported: 27-Sep-18
 Quantity Analyzed: 10

Ref No: I 1444 - 1453 / 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	
		WATERVALBOVEN	YES	NO		A / B			
D	I 1444	EWB30/9/18: Watervalboven Waterworks Final	x		Nil	B	Nil	Nil	24
D	I 1445	EWB31/9/18: Watervalboven Reservoir	x		Nil	B	Nil	Nil	16
D	I 1446	EWB32/9/18:Stand P118 / (602)	x		Nil	B	Nil	Nil	13
D	I 1447	EWB33/9/18: Khayalami Service Centre	x		Nil	B	Nil	Nil	15
D	I 1448	EWB34/9/18: Vulingcondo Stim Centre	x		Nil	B	Nil	Nil	12
D	I 1449	EWB35/9/18: Mississippi Restaurant	x		Nil	B	Nil	Nil	13
D	I 1450	EWB36/9/18: Technical Services Workshop	x		Nil	B	Nil	Nil	15
D	I 1451	EWB37/9/18: Silverdays Old Age Home	x		Nil	B	Nil	Nil	13
METHOD USED					A - SANAS 5221 (CFU) OR B - COLILERT (MPN)		SANS 5221	COLILERT (MPN)	SANS 5221
REGEN WATERS METHOD : MLPM 4A AND 4 B									

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 species : 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.) Samples EWB30/9/18: Watervalboven Waterworks Final, EWB31/9/18: Watervalboven Reservoir, EWB32/9/18:Stand P118 / (602), EWB33/9/18: Khayalami Service Centre, EWB34/9/18: Vulingcondo Stim Centre, EWB35/9/18: Mississippi Restaurant, EWB36/9/18: Technical Services Workshop, EWB37/9/18: Silverdays Old Age Home 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. KOHRS

Technical Signatory

(A signed copy of this report is available)

SANS
241-1
Edition 2
2015



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					A / B				
		RA	YES	NO					
I 1452		ERA1/9/18: Emakhazeni Boarding School Stream	x		>2420	B	TNTC	>2420	1732
I 1453		ERA2/9/18: Emakhazeni Boarding School Stream	x		>2420	B	TNTC	>2420	1831
METHOD USED					A- SANAS 5221 (CFU) OR B - COLILERT (MPN)	SANS 5221	COLILERT (MPN)	SANS 5221	
REGEN WATERS METHOD : MLPM 4A AND 4 B									

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