



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: 29-Aug-18
 Date Analyzed: 29-Aug-18
 Date Reported: 31-Aug-18
 Quantity Analyzed: 5

ORDER NUMBER : 024046 + 032073

Ref No: H 1195 - 1199 / 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				
H 1195	MH5/8/18:	Leeuwspruit before Sewerworks	x		>2420	B	90	77	1860
H 1196	MH7/6/18:	Leeuwspruit after Sewerworks	x		>2420	B	2200	1986	1786
H 1197	MH36/8/18:	Emthonjeni Sewerworks Finalk	x		-	B	Nil	-	-
METHOD USED					A- SANAS 5221 OR B- COLILERT (MPN)	SANS 5221	COLILERT (MPN)	SANS 5221	

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:

P.L.G UYS (M.D.)
 Technical Signatory

SANS
 241-1
 Edition 2
 2015



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		WATERVALBOVEN	YES	NO		A / B			
H1198	WB25/8/18: Elandsrivier Before Sewerworks		x		>2420	B	350	206	1470
H1199	WB27/8/18: Elandsrivier After Sewerworks		x		>2420	B	990	866	1289
METHOD USED					A- SANAS 5221 OR B - COLILERT (MPN)		SANS 5221	COLILERT (MPN)	SANS 5221

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