

**MICROBIOLOGICAL ANALYSIS
TEST REPORT**

Sample From: **HENDRINA POWER STATION** Address: Private Bag X 1003
 Date Received: **6-Dec-12** PULLENSHOPE
 Date Analyzed: **6-Dec-12** 1096
 Date Reported: **8-Dec-12**
 Quantity Analyzed: **5** Ref No: **L / 272 - 276 / 12 / B**

LAB NO	SAMPLE NAME	STERILIZED BOTTLE		STANDARD LIMITS				
				≤ 10		Nil	Nil	≤ 1000
				TOTAL COLIFORM BACTERIA PER / 100ML	A/B	FAECAL COLIFORM PER / 100 ML	ESCHERISCHIA COLIFORM PER 100 ML	HETEROTROPHIC PLATE COUNT PER 1.0 ML
		YES	NO					
L 272	Lab Tap	x		Nil	B	-	Nil	3
L 273	Optimum Kitchen	x		Nil	B	-	Nil	Nil
L 274	Pump Station Tap	x		Nil	B	-	Nil	1
L 275	Water Plant Tap	x		Nil	B	-	Nil	Nil
L 276	Water Plant Raw Water Tap	x		99	B	-	19	40
METHOD USED				A- SANAS 5221 OR B - COLILERT		SANS 5221	COLILERT	SANS 5221

**S.A.N.S. 241-1:2011 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.
 REMARKS:

SANS
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P.L.G UYS
MANAGER