

**EMAKHAZENI LOCAL MUNICIPALITY**  
**Certificate of Waste Water Analysis - Sewage Purification Works**  
**CERTIFICATE OF ANALYSIS FOR WASTE-WATER AND EFFLUENTS**

Date received : 24 October 2018

Date reported : 31 October 2018

Quantity Analyzed: 8

Our Ref: ELM / 297 - 304 / H / 10/ 18

Att : MRS. MARIANNE JOUBERT

Lab No:

H 303

H 304

ANALYSIS RESULTS mg /l	LPM METHOD	LEEUSPRUIT RIVER	
		EMH6/10/18	EMH8/10/18
		Before Sewer Works	After Sewer Works
<b>Total Dissolved Solids</b>	LPM 2	152	166
<b>Suspended Solids</b>	LPM 1	5,6	6,0
<b>Conductivity in mSm</b>	LPM 51/82	24,4	28,3
<b>Chemical Oxygen Demand</b>	LPM 6/83	<10	12
<b>Free and Saline Ammonia as N</b>	LPM 29/76	<0.20	1,78
<b>Nitrate NO<sub>3</sub> as N</b>	LPM 32/76	<0.1	0,26
<b>Nitrite NO<sub>2</sub> as N</b>	LPM 32/76	<0.1	<0.1
<b>Ortho -Phosphate PO<sub>4</sub> as P</b>	LPM 33/76	<0.1	0,47
<b>Chlorides as Cl</b>	LPM 30/76	9,76	13,4
<b>Total Alkalinity as CaCO<sub>3</sub></b>	LPM 11/81	113	127
<b>pH Value at 25°C (pH Units)</b>	LPM 51/82	7,67	7,90

All heavy metal analyses have been performed on filtered samples.

Tests marked with an asterisk \* are not SANAS accredited

These results are related only to the items tested

P.L.G. UYS / A.KOHRs

Technical Signatory