

**EMAKHAZENI LOCAL MUNICIPALITY**
**Certificate of Waste Water Analysis - Sewage Purification Works**

Our Ref: LME / 315 - 320 / H / 08 / 18

Date Received: 23 August 2018

Date Reported: 29 August 2018

WATERVAL BOVEN WB9/8/18		H 320	
ANALYSIS RESULTS mg/l	TEST METHOD	OUTLET FINAL	General Standards
Total Dissolved Solids	LPM 2	168	
Suspended Solids	LPM 1	1,2	25
Settleable Solids ml/l	LPM 3	<0.20	
Conductivity in mS/m	LPM 4	31,9	Intake + 70-150
4 Hours Oxygen Absorbed	LPM 25	<1.0	< 10
Chemical Oxygen Demand	LPM 6	<10	< 75
Free and Saline Ammonia as N	LPM 76	<0.20	< 6
Nitrate - NO <sub>3</sub> as N	LPM 76	2,85	< 15
Nitrite - NO <sub>2</sub> as N	LPM 76	<0.1	
Ortho - Phosphate PO <sub>4</sub> as P	LPM 76	0,14	< 10
Chlorides as Cl	LPM 76	22,0	
Total Alkalinity as CaCO <sub>3</sub>	LPM 11/81	87	
pH - Value at 25°C (pH Units)	LPM 51/82	7,88	5.5 - 9.5
Sodium as Na	LPM 15	23,3	
Potassium as K	LPM 15	3,66	
Sulphate as SO <sub>4</sub>	LPM 76	25,7	
Residual Chlorine as Cl <sub>2</sub> *	LPM 84	<0.1	0,25
Faecal Coliform / 100 ml	LPM 41	Nil	1000/100ml

Tests marked with an asterisk \* are not SANAS accredited.

These results are related only to the items tested.

These results must be read in conjunction with the Uncertainty of Measurement list provided by Regen Waters



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

Technical Signatory