

NKANGALA DISTRICT MUNICIPALITY
EMAKHAZENI LOCAL MUNICIPALITY
Certificate of Waste Water and Effluent Analysis - Sewage Purification Works

Our Ref: NDM / 161 / C / 09/17			
FINAL			
Lab No:		C 161	
ANALYSIS RESULTS mg/l	TEST METHOD	<i>Belfast Sewerworks Final Treated</i>	General Standards Gazette No: 36820
		<i>BF9/9/17</i>	
DATE RECEIVED :		19-Sep-17	
DATE REPORTED :		02-Oct-17	
<i>Total Dissolved Solids</i>	LPM 2	480	
<i>Suspended Solids</i>	LPM 1	44	25
<i>Settleable Solids ml/l</i>	LPM 3	0,4	
<i>Conductivity mS/m</i>	LPM 51/82	97,5	Intake + 70-150
<i>4 Hours Oxygen Absorbed</i>	LPM 25	18,4	
<i>Chemical Oxygen Demand</i>	LPM 6	110	< 75
<i>Free and Saline Ammonia as N</i>	LPM 29/76	32,2	< 6
<i>Nitrate - NO₃ as N</i>	LPM 32/76	11,1	< 15
<i>Nitrite - NO₂ as N</i>	LPM 32/76	3,19	
<i>Ortho - Phosphate PO₄ as P</i>	LPM 33/76	4,63	< 10
<i>Chlorides as Cl</i>	LPM 30/76	109	
<i>Total Alkalinity as CaCO₃</i>	LPM 11/81	216	
<i>pH - Value</i>	LPM 51/81	7,89	5.5 - 9.5
<i>Sodium as Na</i>	LPM 15	85,7	
<i>Potassium as K</i>	LPM 15	17,0	
<i>Sulphate as SO₄</i>	LPM 28/76	50,8	
<i>Residual Chlorine as Cl₂ *</i>	LPM 84	<0.1	0,25
<i>Faecal Coliform / 100ml</i>	LPM 59	>1000	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

VALUES HIGHLIGHTED IN GREY ARE NOT WITHIN THE (GAZETTE 20526) GENERAL LIMITS AS SPECIFIED



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