

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

Our Ref: NDM / 218 - 221 / B /09/17			
FINAL			
Lab No:		B 221	
ANALYSIS RESULTS mg/l	TEST METHOD	EMTHONJENI - Outlet Final	General
		MH 13/9/17	
DATE RECEIVED :		12-Sep-17	
DATE REPORTED :		21-Sep-17	Standards
Total Dissolved Solids	LPM 2	292	
Suspended Solids	LPM 1	5,6	25
Settleable Solids ml/l	LPM 3	<0.20	
Conductivity mS/m	LPM 51/82	65,5	Intake + 70-150
4 Hours Oxygen Absorbed	LPM 25	5,1	
Chemical Oxygen Demand	LPM 6	45	< 75
Free and Saline Ammonia as N	LPM 29/76	21,3	< 6
Nitrate - NO₃ as N	LPM 32/76	<0.1	< 15
Nitrite - NO₂ as N	LPM 32/76	<0.1	
Ortho - Phosphate PO₄ as P	LPM 33/76	4,55	< 10
Chlorides as Cl	LPM 30/76	46,6	
Total Alkalinity as CaCO₃	LPM 11/81	225	
pH - Value	LPM 51/81	7,62	5.5 - 9.5
Sodium as Na	LPM 15	56,1	
Potassium as K	LPM 15	11,5	
Sulphate as SO₄	LPM 28/76	23,9	
Residual Chlorine as Cl₂ *	LPM 84	<0.1	0,25
Faecal Coliform / 100ml	LPM 59	380	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