

EMAKHAZENI LOCAL MUNICIPALITY

Certificate of Waste Water and Effluent Analysis - Sewage Purification Works.

P.O.BOX 17
BELFAST
1100

Our Ref: EMA / 238 - 241 / E / 05 / 18

Attention: MARIANNE JOUBERT

FINAL

Lab No:

E 239

ANALYSIS RESULTS mg/l	TEST METHOD	Belfast Sewer Final	
		BF9/5/18	General Standards Gazette No: 36820
DATE RECEIVED :		30 May 18	
DATE REPORTED :		11 Jun 18	
Total Dissolved Solids	LPM 2	428	
Suspended Solids	LPM 1	52,0	25
Settleable Solids ml/l	LPM 3	0,4	
Conductivity mS/m	LPM 51/82	95,1	Intake + 70-150
4 Hours Oxygen Absorbed	LPM 25	17,2	
Chemical Oxygen Demand	LPM 6	151	< 75
Free and Saline Ammonia as N	LPM 29/76	41,6	< 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	3,61	< 10
Chlorides as Cl	LPM 30/76	83,4	
Total Alkalinity as CaCO₃	LPM 11/81	257	
pH - Value at 25°C (pH units)	LPM 51/81	7,76	5.5 - 9.5
Sodium as Na	LPM 15	75,2	
Potassium as K	LPM 15	15,5	
Sulphate as SO₄	LPM 28/76	63,4	
Residual Chlorine as Cl₂ *	LPM 84	<0.1	0,25
Faecal Coliform / 100ml	LPM 59	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

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


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

EMAKHAZENI LOCAL MUNICIPALITY

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Our Ref: EMA / 238 - 241 / E / 05 / 18

Attention: MARIANNE JOUBERT

FINAL

Lab No:

E 241

ANALYSIS RESULTS mg/l	TEST METHOD	<i>Dullstroom Sewer Final</i>	General Standards Gazette No: 36820
		<i>DS9/5/18</i>	
DATE RECEIVED :		30 May 18	
DATE REPORTED :		11 Jun 18	
<i>Total Dissolved Solids</i>	LPM 2	192	
<i>Suspended Solids</i>	LPM 1	30,4	25
<i>Settleable Solids ml/l</i>	LPM 3	<0.20	
<i>Conductivity mS/m</i>	LPM 51/82	36,4	Intake + 70-150
<i>4 Hours Oxygen Absorbed</i>	LPM 25	9,7	
<i>Chemical Oxygen Demand</i>	LPM 6	103	< 75
<i>Free and Saline Ammonia as N</i>	LPM 29/76	13,9	< 6
<i>Nitrate - NO₃ as N</i>	LPM 32/76	<0.1	< 15
<i>Nitrite - NO₂ as N</i>	LPM 32/76	<0.1	
<i>Ortho - Phosphate PO₄ as P</i>	LPM 33/76	0,42	< 10
<i>Chlorides as Cl</i>	LPM 30/76	27,9	
<i>Total Alkalinity as CaCO₃</i>	LPM 11/81	89	
<i>pH - Value at 25°C (pH units)</i>	LPM 51/81	7,35	5.5 - 9.5
<i>Sodium as Na</i>	LPM 15	25,4	
<i>Potassium as K</i>	LPM 15	5,38	
<i>Sulphate as SO₄</i>	LPM 28/76	32,3	
<i>Residual Chlorine as Cl₂ *</i>	LPM 84	<0.1	0,25
<i>Faecal Coliform / 100ml</i>	LPM 59	Nil	1000/100ml

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