

SCIENTIFIC SERVICES: SCHEDULE OF APPROVED CHARGES AND TARRIFS:2018/19 FINANCIAL YEAR

<u>Analytical Parameter</u>	<u>Cost/Sample</u>	<u>Cost/Sample</u>
	Approved 2018/2019 (VAT Excluded)	Approved 2018/2019 (VAT Included)
	<u>A minimum sample charge of R529,00 will be applied.</u>	<u>A minimum sample charge of R529,00 will be applied.</u>
<u>Physical/Chemical Water Analysis</u>		
pH	54.27	62.41
Electrical conductivity **	62.83	72.26
Colour *	44.27	50.91
Turbidity *	44.27	50.91
Total dissolved solids **	89.97	103.46
Total, carbonate & bicarbonate alkalinity *	58.55	67.33
Total hardness + calcium & magnesium*	215.64	247.98
Calcium *	107.10	123.17
Magnesium *	107.10	123.17
Sodium *	107.10	123.17
Potassium *	107.10	123.17
Chloride **	107.10	123.17
Sulphate **	107.10	123.17
Nitrate + nitrite *	134.24	154.37
Fluoride *	107.10	123.17
Phosphorus	134.24	154.37
Silica	134.24	154.37
Aluminium	171.37	197.07
Free & Total Residual Chlorine	107.10	123.17
Boron by ICP	134.24	154.37
Water for Potability Purposes - all */** parameters, Iron, Aluminium, Manganese & Microbiological parameters	2,353.20	2,706.18
Water for irrigation purposes - all ** parameters includes pH, EC, TDS, TA, Cl, SO4. Extras are Na & B.	481.26	553.44
Drinking Water to full SABS 241-2001 specification, but excluding somatic coliphages, enteric viruses & protozoan parasites.	4,672.61	5,373.50
Water for Bottling to full SABS 1657-1996 spec. excl. organochlorinepesticides, PCB's and organophosphate pesticides.	3,285.96	3,778.86
<u>Sewage/Effluent/Sludge Analyses</u>		
Ammoniacal nitrogen	149.95	172.44
Biochemical oxygen demand	255.62	293.97
Chemical oxygen demand	141.38	162.58
Methylene Blue Active Substances (Detergents)	404.14	464.76
Moisture	54.27	62.41
Nitrate nitrogen	134.24	154.37
Nitrite nitrogen	134.24	154.37
Permanganate value	78.54	90.32
Settleable solids	44.27	50.91
Settleable solids for SVI & DSVI	54.27	62.41
Suspended solids	49.98	57.48
Total & Volatile Solids	107.10	123.17
Total Kjeldahl nitrogen	251.34	289.04
Total/Dissolved Organic Carbon	159.94	183.93
<u>Miscellaneous Analyses</u>		
Boron by ICP	145.66	167.51

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Cyanide - solid & liquid samples	161.37	185.58
Phenols	207.07	238.13
Sulphide	157.09	180.65
	0.00	
All Metals by ICP/AA - per element	145.66	167.51
Mercury or Arsenic or Selenium	291.32	335.02
A suite of 8 or more Metals by ICP per element		
Chromium (hexavalent)	134.24	154.37
Soil Analysis - Ambic 1 - P, Na, K, Ca & Mg	808.28	929.52
Calorific Value	628.35	722.60
Cement content of mortars	466.97	537.02
Compost/manure analysis - TKN, P, K etc.	898.25	1,032.99
Fat - Feedstuffs	244.20	280.83
Flash point	207.07	238.13
Oil & Grease - petroleum ether extraction	314.17	361.30
Pesticides - minimum	628.35	722.60
Trihalomethanes (THM's)	157.09	180.65
Flocculation Testing - minimum x complexity factor	1,616.56	1,859.05
Distilled Water/ litre	10.00	11.50
<u>Microbiological & bacteriological Analyses</u>		
<u>Milk & Dairy Samples</u>		
Total bacterial count	107.10	123.17
Total coliform count	77.12	88.68
E. coli - presence/absence	81.40	93.61
		0.00
Ethanol stability	49.98	57.48
Phosphatase activity	74.26	85.40
Antibiotics & Inhibitory Substances	49.98	57.48
Coulter Count - Particle Count	81.40	93.61
<u>Water Samples</u>		
Total coliform count	125.67	144.52
Faecal coliform count	125.67	144.52
E. coli count	171.37	197.07
Total bacterial count	81.40	93.61
Enterococci	125.67	144.52
Clostridia	171.00	196.65
Pseudomonas	171.00	196.65