

**ANNEXURE 1: SANS 241: 2005 DRINKING WATER SPECIFICATIONS**

**Table 1 — Microbiological Safety Requirements**

		Allowable compliance contribution <sup>a</sup>		
		95% of samples, min.	4% of samples, max.	1% of samples, max.
Determinand	Unit	Upper limits		
<i>E. coli</i> <sup>b</sup> or	count/100 mL	Not detected	Not detected	1
Thermotolerant (faecal) coliform bacteria <sup>c</sup>	count/100 mL	Not detected	1	10

- a. The allowable compliance contribution shall be at least 95 % to the limits indicated in column 3, with a maximum of 4 % and 1 %, respectively, to the limits indicated in column 4 and column 5. The objective of disinfection should, nevertheless, be to attain 100 % compliance to the limits indicated in column 3.
- b. Definitive, preferred indicator of faecal pollution.
- c. Indicator of unacceptable microbial water quality, could be tested instead of *E. coli* but is not the preferred indicator of faecal pollution. Also provides information on treatment efficiency and aftergrowth in distribution networks.