

Table 2 Selected national and international water quality standard guidelines

S/N	Parameter	Maximum permissible limits in water						
		NAFDAC	SON	FEPA	NSDW	WHO	EU	USEPA
1	Conductivity	1000	1000	70	1000	–	–	–
2	Total dissolved solids	500	500	500	500	1000	–	500
3	Hydrogen ion concentration	6.5–8.5	6.5–8.5	6.0–9.0	6.5–8.5	6.8	6.5–9.5	6.5–8.5
4	Total hardness	100	100	–	150	100	–	–
5	Total alkalinity	100	100	–	–	100	–	–
6	Nitrate	10	10	20	50	50	50	10
7	Water temperature	–	–	26	–	40	–	–
8	Dissolved oxygen	–	–	≥4	–	≥6	–	–

Note: Source: Oketola et al., 2006; Chinedu et al., 2011; Muhibbu-din et al., 2011; Adejuwon and Adelokun, 2012. Where: NAFDAC-National Administration for Food, Drugs and Control, SON-Standard Organization of Nigeria, FEPA-Federal Environmental Protection Agency, NSDW-Nigerian Standard for Drinking water, USEPA-United States Environmental Protection Agency, EU-European Union and WHO-World Health Organization