

Table 1

## Hong Kong Drinking Water Standards

Category	Parameters	Standard Value (Unit in $\mu\text{g/L}$ unless otherwise specified)
Chemical (57 parameters)	Aldrin & dieldrin	$\leq 0.03$
	Antimony	$\leq 20$
	Arsenic	$\leq 10$
	Barium	$\leq 1\ 300$
	Benzene	$\leq 10$
	Benzo[a]pyrene	$\leq 0.7$
	Boron	$\leq 2\ 400$
	Bromate	$\leq 10$
	Bromodichloromethane	$\leq 60$
	Bromoform	$\leq 100$
	Cadmium	$\leq 3$
	Carbon tetrachloride	$\leq 4$
	Chlorate	$\leq 300$
	Chlordane	$\leq 0.2$
	Chlorine	$\leq 5\ 000$
	Chlorite	$\leq 700$
	Chloroform	$\leq 300$
	Chromium	$\leq 50$
	Copper	$\leq 2\ 000$
	Di(2-ethylhexyl)phthalate	$\leq 8$
	Dibromoacetonitrile	$\leq 70$
	Dibromochloromethane	$\leq 100$
	1,2-Dibromo-3-chloropropane	$\leq 1$
	1,2-Dibromoethane	$\leq 0.4$
	Dichloroacetate	$\leq 40$
	Dichloroacetonitrile	$\leq 20$
	1,4-Dichlorobenzene	$\leq 300$
	1,2-Dichloroethane	$\leq 30$
	Dichloromethane	$\leq 20$
	1,4-Dioxane	$\leq 50$
	Endrin	$\leq 0.6$
	Ethylbenzene	$\leq 300$
	Fluoride	$\leq 1\ 500$
	Hexachlorobutadiene	$\leq 0.6$
	Lead	$\leq 10$
	Lindane	$\leq 2$
	Mercury	$\leq 6$
	Metolachlor	$\leq 10$
	Microcystin-LR	$\leq 1$

Category	Parameters	Standard Value (Unit in µg/L unless otherwise specified)
	Molinate	≤ 6
	Monochloroacetate	≤ 20
	Nickel	≤ 70
	Nitrate (as NO <sub>3</sub> <sup>-</sup> )	≤ 50 000
	Nitrite (as NO <sub>2</sub> <sup>-</sup> )	≤ 3 000
	<i>N</i> -Nitrosodimethylamine	≤ 0.1
	Perchlorate	≤ 70
	Selenium	≤ 40
	Simazine	≤ 2
	Styrene	≤ 20
	Terbutylazine	≤ 7
	Tetrachloroethene	≤ 40
	Toluene	≤ 700
	Total trihalomethanes	sum ratio <sup>#</sup> ≤ 1
	Trichloroacetate	≤ 200
	Trifluralin	≤ 20
	Uranium	≤ 30
	Xylenes	≤ 500
Radiological (2 parameters)	Gross alpha (α) activity	≤ 0.5 Bq/L
	Gross beta (β) activity	≤ 1.0 Bq/L
Micro-biological (1 parameter)	<i>Escherichia coli</i>	0 cfu/100 mL

Note:

µg/L: microgram per litre

Bq/L: Becquerel per litre

cfu: colony forming unit

# Sum ratio of total trihalomethanes should not exceed 1, as calculated by:

$$\frac{\text{bromoform}}{\text{its HKDWS}} + \frac{\text{bromodichloromethane}}{\text{its HKDWS}} + \frac{\text{dibromochloromethane}}{\text{its HKDWS}} + \frac{\text{chloroform}}{\text{its HKDWS}}$$