

Table S7 – Drinking water limits and potential effects on water quality and consumer health.

Parameter	maximum value	Unit	Potential effects (USEPA)
As	10	µg/L	skin damage, increased cancer risk
B	1	mg/L	many affect male reproductive tract
F	1.5	mg/L	dental and skeletal fluorosis
Hg	1	µg/L	kidney damage
NO ₃ ⁻	50	mg/L	blue-baby syndrome in infants
Cl	250	mg/L	salty taste
Fe	200	µg/L	rusty colour, metallic taste, gastrointestinal irritation
Mn	50	µg/L	black colour, bitter metallic taste
SO ₄ ²⁻	250	mg/L	diarrhoea, gastrointestinal irritation, salty taste
Na	200	mg/L	salty taste