

Drinking Water Average at W.E.B. Aruba N.V. in accordance with the WHO-standards for drinkingwater

Physical & Chemical properties	Expressed as	Units	*WEB guidelines value:	WHO guidelines value: (2004)
Odor & Taste			Satisfactory	Not offensive for most consumers
Color			Clear	15 true color units
Temperature		Degree C	32-40	-
Turbidity		NTU	1.0(max)	5, preferably <1.0 for disinfection efficiency
pH		units	8.5-9.5	6.5-9.5
Conductivity		uS/cm	<150	-
Total Dissolved Solids		ppm	<75	1000
Chloride	as Cl	ppm	<50	250(sodium:200ppm)
Hardness	as CaCO ₃	ppm	<20	500
Calcium	as CaCO ₃	ppm	3-10	-
Total M. Alkalinity	as CaCO ₃	ppm	<50	-
Total Phosphate	as PO ₄	ppm	0.5-1.5	-
Zinc	as Zn	ppm	0.05-1.0	5.0
Total Iron	as Fe	ppm	Max 0.3 (WEB prefer 0.1)	0.3
Total Copper	as Cu	ppm	Max 1.0	2.0
Total Aluminium	as Al	ppm	Max 0.2	0.2
Lead	as Pb	ppm	Max 0.01	0.01
Boron	as B	ppm	Max 0.5	0.5 ^a
Microbiological aspect:				
Total bacterial plate count		cfu per 10ml	<50 no action	5000
			50-100 confirm	-
			101-200 investigation of source: within 72 hours	-
			>200 after confirmation disinfection of system	-
Detection of fecal coliform organism means immediately action				

Table 3: *WEB guidelines were established according to historical data and based on the water treatment process. A complete analysis (inorganic, organic, and radioactive) of our potable water has been performed by **National Testing Laboratories Ltd** and the results were within the maximum concentration levels (MCL).

^a Concentrations vary widely and depend on the surrounding geology and wastewater discharges; for most of the world, the concentration of boron in drinking water is judged to be below 0.5 mg/l.(WHO 2004 and 2011).