

# RANGE OF WATA® DEVICES

## A SOLUTION FOR DISINFECTION AND WATER TREATMENT



### DILUTIONS GUIDE FOR DISINFECTION

INDICATIVE DILUTIONS AND DOSAGES FOR DISINFECTION DEPENDING ON ACTIVE CHLORINE CONCENTRATION PRODUCED BY WATA®

		CHLORINE CONCENTRATION GIVEN BY THE WATATEST®				
		7 g/L	6 g/L	5 g/L	4 g/L	3 g/L
USE	TARGETED CONCENTRATION					
Disinfecting wounds (Dakin's solution)	5g/L	1 Water 3 Active Chlorine	No dilution Full concentration	No dilution Full concentration	X	X
Disinfection objects, floors, clothes, latrines	2 g/L	5 Water 2 Active Chlorine	2 Water 1 Active Chlorine	3 Water 2 Active Chlorine	1 Water 1 Active Chlorine	1 Water 2 Active Chlorine
Washing hands	0.5 g/L	13 Water 1 Active Chlorine	11 Water 1 Active Chlorine	9 Water 1 Active Chlorine	7 Water 1 Active Chlorine	5 Water 1 Active Chlorine

### FORMULA

$$V_{\text{disinfectant to prepare (L)}} = V_{\text{chlorine to use (L)}} \times \frac{C_{\text{chlorine obtained with WataTest® (g/L)}}}{C_{\text{targeted (g/L)}}$$

C = Concentration

V = Volume

- **C targeted** is the concentration of active chlorine required for the disinfectant solution (e.g 0.5g/L for hand washing).
- **C chlorine obtained with WataTest®** is the chlorine concentration of the produced solution by WATA®.
- **V chlorine to use** is the volume of hypochlorite needed to prepare the disinfectant.
- **V disinfectant to prepare** is the volume of disinfectant needed with the targeted concentration in active chlorine.

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### DILUTIONS GUIDE FOR WATER TREATMENT

INDICATIVE DILUTIONS AND DOSAGES FOR WATER TREATMENT DEPENDING ON ACTIVE CHLORINE CONCENTRATION PRODUCED BY WATA®

	CHLORINE CONCENTRATION GIVEN BY THE WATATEST®					
		7 g/L	6 g/L	5 g/L	4 g/L	3 g/L
VOLUME OF WATER TO TREAT	1000 L	214 mL	250 mL	300 mL	375 mL	500 mL
	500 L	107 mL	125 mL	150 mL	187 mL	250 mL
	100 L	21.4 mL	25.0 mL	30.0 mL	37.5 mL	50.0 mL
	20 L	4.3 mL	5.0 mL	6.0 mL	7.5 mL	10.0 mL
	10 L	2.1 mL	2.5 mL	3.0 mL	3.8 mL	5.0 mL

In this table, the targeted concentration of active chlorine in water was set at 1.5 mg/L (1.5 ppm) in order to be in the range of 0.5 - 1 ppm of residual chlorine before consumption.

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It is absolutely necessary to test residual chlorine using the WataBlue® reagent 30 minutes after chlorinating your drinking water. If the concentration of residual chlorine is too low (0-0.5 ppm), add more hypochlorite solution to the water. Only this test result will guarantee the optimal quality of the drinking water.