



WATERMAKER™

WATER PURIFICATION TECHNOLOGY

THE SUSTAINABLE, SELF-HELP SOLUTION TO SAFE WATER SUPPLY IN UNDERDEVELOPED COMMUNITIES



2.5g & 5g Sachets



600mg Sachets for Military & Camping

How Watermaker Works (6 - 10 minutes)



For over 15 years WATERMAKER™ has been the technology of choice of institutions such as:

- United States Armed Forces
- UNICEF
- The Red Cross
- OXFAM
- SANDF
- SA Department of Health

ABBREVIATED LABORATORY RESULTS

VIRUSES				
% Reduction of Viruses Exposed to CF Watermaker® Tablets at Various Temperatures				
Temperature	Time of exposure	Virus	Test water challenge virus per litre	% Reduction
2°C	10 minutes	Polio 1	1,8 x 10 ⁶	100%
2°C	10 minutes	Coxsackie B5	1,6 x 10 ⁵	100%
2°C	10 minutes	Echo 1	5,3 x 10 ⁵	100%
22°C	4 minutes	Polio 1	5,4 x 10 ⁵	100%
22°C	4 minutes	Coxsackie B5	8,7 x 10 ⁵	100%
22°C	4 minutes	Echo 1	1 x 10 ⁵	100%

Each virus was tested at least five times.

BACTERIA				
Temperature	Time of exposure	Virus	Test water challenge virus per litre	% Reduction
2°C	10 minutes	E. coli 25	2,4 x 10 ⁵	100%
22°C	4 minutes	E. coli 25	2,7 x 10 ⁵	100%
15°C	15 minutes	Giardia Muris cysts		100%
25°C	25 minutes	Giardia Muris cysts		100%

Each bacteria was tested at least five times.
(note: Giardia Muris is more resistant than Giardia Lamblia).

Other:

- Bacteria
 - E. coli; 108 bacteria per ml killed
 - V. cholerae; 108 bacteria per ml killed
- Virus: Poliovirus. A 4-Log. reduction in titre achieved
- Shistosomiasis (Bilharzia or Snail Fever) CF Watermaker® eliminated the risk of infection with shistosomiasis (through splash effect on mucous surface penetration) by killing the cercariae.

Removal of Chemical pollutants

CF Watermaker® sludge has powerful absorptive properties. The most significant tests conducted to date are the removal of:

- Arsenic
 - Before treatment 20mg/litre
 - After treatment not detectable
- Parathion
 - before treatment 5mg/litre
 - After treatment 0.07mg/litre

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