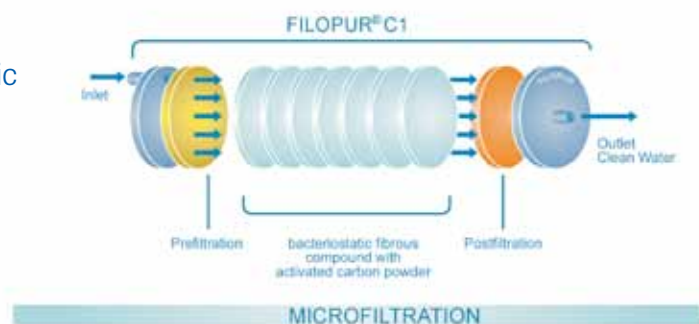


## Properties of the FILOPUR® C1 Filter

FILOPUR® drinking water filters decisively improve the quality of drinking water by filtering organic and inorganic harmful substances as well as moribific bacteria, fungi and viruses. However, the natural salts and minerals which are essential to our organism are not removed by this process; neither does the water become a sterile filtrate.

FILOPUR® filters stand out for their long life and their simple handling. Their quality and filtering performance correspond to the latest Swiss standards and regulations of the WHO. This high level is the result of the know-how acquired in more than 40 years and is constantly controlled and confirmed by expertise of independent institutes.



Contaminant	Input concentration	Retention capacity	Reference
<b>Heavy metals</b>			
Chromium (Cr)	0.52 mg/l	99,8%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Mercury (Hg)	0.5 mg/l	99,9%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Cadmium (Cd)	0.51 mg/l	99,9%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Lead (Pb)	0.51 mg/l	99,8%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Nickel (Ni)	0.54 mg/l	99,8%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Copper (Cu)	1,0 mg/l	99,0%	F.F. Erisman Institute, Moscow, 1995
Zinc (Zn)	0.1 mg/l	84,0%	F.F. Erisman Institute, Moscow, 1995
Iron compound (Fe)	4.5 mg/l	96,0%	F.F. Erisman Institute, Moscow, 1995
<b>Organic contaminants and pesticides</b>			
Chlorine	10 mg/l	99,9%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Phenol and derivates (e.g. Ortho-Cresol)	0.014 mg/l	92,9%	Chinese Centre for Disease Control & Prevention, Peking, 2007 (HU-A filter unit)
Mix of herbicides and pesticides (i.e. Atrazine, DEET, Simazin, Aldrine, Lindane, DDT, Glyphosate)	0.5 µg/kg	99,9%	Interlabor Belp AG, Bern, 2014
<b>Bacteria</b>			
Escherichia coli (E. coli)	1.5 * 10 <sup>5</sup> CFU/ml	99,9%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Salmonellae	98 * 10 <sup>7</sup> CFU/ml	99,9%	Labaqua S.A., Alicante, 2002
Pseudomonas Species	12 * 10 <sup>8</sup> CFU/ml	99,9%	Labaqua S.A., Alicante, 2002
Streptococcus	9 / 100ml	100,0%	Institut Pasteur du Maroc, Casablanca, 1997
<b>Viruses</b>			
Hepatitis A	TCID 50/ml (log10): 5.33	99 - 99,9%	Institute for Clinical Microbiology and Immunology (IKMI), St.Gallen, 1993
Giardia	1.8*10 <sup>5</sup> CFU/ml	100,0%	Royaume du Maroc, Office National de l'eau potable, Marokko, 2000
<b>Turbidity and micro plastic</b>			
Total Suspended Solids (TSS)	490 mg/l	99,2%	SGS Ltd., Hong Kong, 2013 (HU-A filter unit)
Micro plastic, 6µm	73'100 particles in 731 l	100,0%	MarChemConsult, Prof. Dr. Liebezeit, 2014
Micro plastic, 0.5µm	99'500 particles in 995 l	100,0%	MarChemConsult, Prof. Dr. Liebezeit, 2014
<b>Drug residues &amp; hormones</b>			
Diclofenac (analgesics)	0.5 µg/kg	99,9%	Interlabor Belp AG, Bern, 2014
Ibuprofen (anti-inflammatory)	0.5 µg/kg	99,9%	Interlabor Belp AG, Bern, 2014
Ethinylestradiol (agent for contraception)	0.5 µg/kg	99,9%	Interlabor Belp AG, Bern, 2014