

The Stefani gravity water filters are certificated by INMETRO (National Institute of Metrology, Quality and Technology – from Brazil) in drinking water filtration to retain particles, reduce the chlorine amount, and eliminate bacteria, according to the following ratings, besides not exceeding none of the parameters of the table 4 below:

Table 1 – Rank of efficiency for particle retention



Class (P)	Particle size µm
A	≥ 0,5 up to < 1
B	≥ 1 up to < 5
C	≥ 5 up to < 15
D	≥ 15 up to < 30
E	≥ 30 up to < 50
F	≥ 50 up to < 80

Table 2 – Rate of the equipment for the removal efficiency of free chlorine



Efficiency on the free chlorine reduction ≥ 75%
Yes

Table 3 – Criterion for evaluation of bacteriological efficiency

Contaminant	Initial concentration of the bacteria on water (CFU*/100 mL)	Result
<i>Escherichia coli</i> ATCC 11229	Minimum, 1×10^5 Maximum, 9×10^6	Minimum reduction of 2 logs

*CFU: Colony Forming Unit

Table 4 – Maximum limit of extractable concentration

Parameter	Maximum value allowed
Aluminium	0,2 mg/L
Ammonia (as NH ₃)	1,5 mg/L
Antimony	0,005 mg/L
Arsenic	0,01 mg/L
Bromate	0,01 mg/L
Cadmium	0,005 mg/L
Lead	0,01 mg/L
Chloride	250 mg/L
Copper	2 mg/L
Apparent color	15 uH ^a
Total chrome	0,05 mg/L
Di (2-ethylhexyl)	8 µg/L
Hardness	500 mg/L
Ethylbenzene	0,2 mg/L
Iron	0,3 mg/L
Manganese	0,1 mg/L
Monochlorobenzene	0,12 mg/L
pH	6,0 a 9,5
Silver	0,1 mg/L
Sodium	200 mg/L
Total dissolved solids	1.000 mg/L
Sulfate	250 mg/L
Hydrogen sulfide	0,1 mg/L
Surfactants	0,5 mg/L
Toluene	0,17 mg/L
Trihalomethanes	0,1 mg/L
Turbidity	5 UT ^b
Xylene	0,3 mg/L
Zinc	5 mg/L

^a Hazen Unit(mg Pt-Co/L)

^b Turbidity unit