



LIFESTRAW HOME WATER FILTER DISPENSER

PERFORMANCE DATA



LifeStraw Home water filter pitchers and dispenser utilize a unique dual filtration process that includes an advanced membrane microfilter with a pore size of 0.2 microns that removes bacteria, parasites, microplastics combined with an activated carbon and ion exchange filter which reduces chemicals, heavy metals, and other emerging contaminants. This unique combination of filtration enhances performance and also helps to reduce clogging.

| FEATURES + PERFORMANCE | NSF/USEPA REMOVAL REQUIREMENT | LS HOME REMOVAL PERFORMANCE | EXTERNAL LAB CERTIFICATION |
|--|--|---|--|
| <p>Bacteria NSF P231/US EPA</p> <ul style="list-style-type: none"> Brucella melitensis Campylobacter jejuni Francisella tularensis Pseudomonas aeruginosa Shigella Staphylococcus aureus Vibrio cholerae (Cholera) Vibrio parahaemolyticus Yersinia enterocolitica Yersinia pestis Enteropathogenic Escherichia coli (E. coli) Haemophilus influenzae Klebsiella pneumoniae Legionella pneumophila Mycobacterium tuberculosis Mycoplasma pneumoniae Burkholderia pseudomallei Salmonella enterica Salmonella typhi (Typhoid) Streptococcus pneumoniae Streptococcus pyogenes Leptospira | <p>min. 99.9999% reduction</p> | <p>min. 99.999999% reduction</p> | <p>Aquadiagnostics/IAPMO India (WQA Accredited)</p> |
| <p>Parasites NSF P231/NSF 53</p> <ul style="list-style-type: none"> Ascaris lumbricoides Cryptosporidium spp. Entamoeba histolytica Giardia intestinalis Naegleria gruberi Schistosoma mansoni Taenia saginata | <p>min. 99.9% reduction</p> | <p>min. 99.9999% reduction</p> | <p>Aquadiagnostics/IAPMO India (WQA Accredited)</p> |
| <p>Microplastics (as small as 1um)</p> | <p>NSF standard under development</p> | <p>min. 99.9999% reduction</p> | <p>Aquadiagnostics/IAPMO India (WQA Accredited)</p> |
| <p>Asbestos</p> | <p>min. 99.9% reduction</p> | <p>min. 99.9999% reduction</p> | <p>IAPMO US (ANSI accredited)</p> |

PERFORMANCE DATA CONTINUED

| FEATURES + PERFORMANCE | NSF/USEPA REMOVAL REQUIREMENT | LS HOME REMOVAL PERFORMANCE | EXTERNAL LAB CERTIFICATION |
|--|---|---|---|
| Chlorine NSF/ANSI 42 standard | min. 50% reduction | min. 97% reduction | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Pesticides and herbicides: NSF/ANSI 53 standards Atrazine | max output 3 µg/L (equal to minimum 66.6% reduction) | max output 0.35 µg/L (equal to minimum 96.1% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Lindane | max output 0.2 µg/L (equal to minimum 90% reduction) | maximum output < 0.1 µg/L (equal to minimum 95% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| No standard Glyphosate | Standard not available yet. following the NSF/ANSI 53 test protocol for pesticide reduction with influent glyphosate concentration of 2mg/L ±10%. Reference: Max output: 700 µg/L requirements for pesticide and herbicide | maximum output 1.12 µg/L (equal to minimum 99.94% reduction) | IAPMO US (ANSI accredited) |
| PFOA + PFOS NSF 473 standard | max output 0.07 µg/L | max output <0.01 µg/L | IAPMO US (ANSI accredited) |
| Lead NSF/ANSI 53 standards | maximum output 5 µg/L (equal to minimum 96.7% reduction) | maximum output 1.7 µg/L (equal to minimum 98.9% reduction) | IAPMO US (ANSI accredited) |
| Mercury NSF/ANSI 53 standards | maximum output 2 µg/L (equal to minimum 66.6% reduction) | maximum output < 1 µg/L (equal to minimum 83.3% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Chromium III NSF/ANSI 53 standards | maximum output 100 µg/L (equal to minimum 66.6% reduction) | maximum output 100 µg/L (equal to minimum 84.7% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Cadmium NSF/ANSI 53 standards | maximum output 5 µg/L (equal to minimum 83.3% reduction) | maximum output <2 µg/L (equal to minimum 93.3% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Copper NSF/ANSI 53 standards | maximum output 1.3 mg/L (equal to minimum 56.6% reduction) | maximum output 0.008 mg/L (equal to minimum 99.7% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Barium NSF/ANSI 53 standards | maximum output 2 mg/L (equal to minimum 80% reduction) | maximum output 1.6 mg/L (equal to minimum 84% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Atenolol NSF/ANSI 401 - Grp1 | max permissible product water concentration 60ng/L | maximum output <0.1 ng/L (equal to minimum 99.21% reduction) | Aquadiagnostics/IAPMO India (WQA Accredited) |
| Carbamazepine NSF/ANSI 401 - Grp1 | max permissible product water concentration 200ng/L | maximum output 80 ng/L (equal to minimum 94.27% reduction) | IAPMO US (ANSI accredited) |
| DEET NSF/ANSI 401 - Grp1 | max permissible product water concentration 200ng/L | maximum output 21.5 ng/L (equal to minimum 98.29% reduction) | IAPMO US (ANSI accredited) |
| Metolachlor NSF/ANSI 401 - Grp1 | max permissible product water concentration 200ng/L | maximum output 48.5 ng/L (equal to minimum 96.41% reduction) | IAPMO US (ANSI accredited) |
| Meprobamate NSF/ANSI 401 - Grp1 | maximum permissible product water concentration 60ng/L | maximum output 3.4 ng/L (equal to minimum 99.29% reduction) | IAPMO US (ANSI accredited) |
| Trimethoprim NSF/ANSI 401 - Grp1 | maximum permissible product water concentration 20ng/L | maximum output <1 ng/L (equal to minimum 99.09% reduction) | IAPMO US (ANSI accredited) |
| Linuron NSF/ANSI 401 - Grp1 | maximum permissible product water concentration 20ng/L | maximum output <1 ng/L (equal to minimum 99.28% reduction) | IAPMO US (ANSI accredited) |
| TCEP NSF/ANSI 401 - Grp 2 | maximum permissible product water concentration 700ng/L | maximum output 236.2 ng/L (equal to minimum 95.94% reduction) | IAPMO US (ANSI accredited) |
| TCPP NSF/ANSI 401 - Grp 2 | maximum permissible product water concentration 700ng/L | maximum output 410.3 ng/L (equal to minimum 91.68% reduction) | IAPMO US (ANSI accredited) |
| Phenytoin NSF/ANSI 401 - Grp 3 | maximum permissible product water concentration 30ng/L | maximum output <1 ng/L (equal to minimum 99.45% reduction) | IAPMO US (ANSI accredited) |
| Ibuprofen NSF/ANSI 401 - Grp 3 | maximum permissible product water concentration 60ng/L | maximum output 43.1 ng/L (equal to minimum 89.12% reduction) | IAPMO US (ANSI accredited) |
| Estrone NSF/ANSI 401 - Grp 3 | maximum permissible product water concentration 20ng/L | maximum output 8.5 ng/L (equal to minimum 93.93% reduction) | IAPMO US (ANSI accredited) |

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|---|--|---|--------------------------------------|
| Bisphenol A NSF/ANSI 401 - Group 3 | max permissible product water concentration 300ng/L | maximum output 91.3 ng/L (equal to minimum 95.45% reduction) | IAPMO US (ANSI accredited) |
| Naproxen NSF/ANSI 401 - Group 3 | max permissible product water concentration 20ng/L | maximum output 13 ng/L (equal to minimum 91.1% reduction) | IAPMO US (ANSI accredited) |
| Nonylphenol NSF/ANSI 401 - Group 3 | max permissible product water concentration 200ng/L | maximum output 138.4 ng/L (equal to minimum 88.85% reduction) | IAPMO US (ANSI accredited) |



This performance data represents testing of the dual filtration of LifeStraw Home’s membrane microfilter and activated carbon and ion exchange filter. These filters are compatible with all products in the LifeStraw home collection.

