

Test Results:

What we tested:

Pure Hydration have submitted a number of our MAD water Purifiers both bottle and InLine versions for extensive testing. The results of these test hold true for all our products as all of our products utilise the same design and MAD technology



How we tested it:

This testing information is based on an average of four laboratories. It should be understood that the results were obtained by using EPA, ANSI and NSF protocol and methodology. Description of testing methods EPA method 608,524,2,504,505,507,515,1,531,1,624 from EPA publication EPA600/4-79-020,rev. 3/83, and ANSI/NSF Standard 53.

All pure Hydration's products are tested to: US EPA "Guide Standard and Protocol for Testing Microbiological Water Purifiers" Individual test results are available on the website or by request

Who tested it:

The following companies have all been involved with the testing of the Pure Hydration Filter systems.



London School Of Hygiene & Tropical Medicine

Meets or exceeds EPA guidelines for microbiological water purifiers



They found:

The results from these laboratories conclude that the Pure Hydration filter system:

- **Conforms to EPA regulations**
- **Meets NSF 53 criteria for Cyst (pathogen) removal**
- **Removal/reduction: Bacteria 99.99997%, viruses 99.999 %, Micro organism 99.993%**
- **Removes chemicals and substances as indicated on the tables to the right**

EU compliance European Drinking Water Directive Council Directive 98/83/EC

US compliance Environmental Protection Agency –EPA's Microbiological Reduction requirements as shown in the US National Primary Drinking Water Regulations under the Safe Drinking Water Act.

WHO compliance World Health Organisation-Guidelines for Drinking-water Quality First Addendum 3rd Edition

Other Information:

The Pure Hydration water purifier is the only filter or purifier that is fully endorsed by the prestigious Hospital of Tropical Diseases London.



Micro Diagnostics (UK) Ltd

The filter has also been underwritten by Prof. Rodney Cartwright MB ChB FRCPATH FRIPH MAE for use by the UK MOD.

Prof. Rodney Cartwright is the Managing Director of Micro Diagnostics Ltd and a medical adviser to the UK Government Drinking Water Inspectorate.

Microbiological Testing:

Pathogen	Prefilter Concentration	% Reduction
Giardia	10 ⁷ /L	≥99.993
Cryptosporidium	10 ⁷ /L	≥99.993
E-Coli		≥99.99997
Viruses		99.999

Organic Testing: Volatile Organic Compounds - Organochlorine Pesticides

Analyte	Prefilter Concentration	Units	% Reduction
Bromodichloromethane*	250	ug/l	>99.73
Bromoform*	250	ug/l	>99.46
Acetone	250	ug/l	>96.20
Benzene	250	ug/l	>99.50
Chloroform*	250	ug/l	>99.50
Dibromochloromethane*	250	ug/l	>99.20
Chlorobenzene	250	ug/l	>99.46
Carbon Tetrachloride	250	ug/l	>99.63
1,2-1,3-1,4 - Dichlorobenzenes	250	ug/l	>99.71
1,1,1,2 - Dichloroethane	250	ug/l	>99.80
1,1,1,2 - Dichloroethylene	250	ug/l	>99.80
Ethylbenzene	250	ug/l	>99.53
Styrene	250	ug/l	>99.43
MTBE	250	ug/l	>99.80
1,1,1-1,1,2 - Trichloroethane	250	ug/l	>99.76
Trichloroethylene	250	ug/l	>99.76
Toluene	250	ug/l	>99.80
Total-Xylenes	250	ug/l	>99.50
Gamma BHC (Lindane)	10	ug/l	>97.75
Heptachlor	10	ug/l	>98.56
Endrine	10	ug/l	>99.00
Ethylene Dibromide (EDB)	10	ug/l	>95.00
Dibromochloroprepene (DBCP)	10	ug/l	>98.00
Heptachlor-Epoxide	10	ug/l	>98.7
4,4 - DD and DDT	10	ug/l	>98.8
Methoxychlor	10	ug/l	>94.6
PCB'a Arpchlor - 1260	20	ug/l	>94.5

* note: compounds listed are trihalomethanes

Inorganic Testing: MBAS analysis - Trace Metals - Turbidity - Radiological

Analyte	Prefilter Concentration	Units	% Reduction
Aluminium	2	mg/l	>90.0
Arsenic	100	mg/l	>17
Cadmium	100	mg/l	>85.75
Chlorine Residual	1.2	mg/l	>94.1
Chromium	100	mg/l	>93.72
Copper	100	mg/l	>98.5
Fluoride	2.5	mg/l	>47.2
Lead	100	mg/l	>98.0
Mercury	100	mg/l	>99.25
Nitrate & Nitrite	19.065	mg/l	>88.43
Radon 222	540	pci/l	>99.0
Total Suspended Solids	486	mg/l	>99.0
Turbidity	20	NTU	>85.6