

PHILIPS

Aquaporin Inside™

Filtration performance data Boiling & Chilled Water Tap

store copy
cheat sheet

Philips boiling & chilled water tap AUT9028 uses reverse osmosis water filtration technology with Aquaporin Inside™ : biomimetic membranes with natural aquaporin proteins—the same technology that living cells use to transport water. **“It’s nature’s way of purifying water, now built into your kitchen tap.”**

This technology purifies faster and wastes less water than conventional RO systems*. Built-in remineralisation adds back essential minerals, delivering cleaner, fresher-tasting water that supports better hydration. Taste the difference right away. **Smoother, fresher water.**

Enjoy convenience and purity at the touch of a button.

* 1000 Gallons Per Day filtration speed / capacity (compared to 50 GPD for traditional RO systems), for rapid continuous purification. Up to 65% water recovery (compared to 20% for traditional RO systems), for less waste, more sustainability.



Category	Test substance	Measurement unit	Measurement after filtration	Measurement before filtration	Calculated removal rate (%)
Bacteria					
	Burkholderia	CFU/mL	3.4×10^6	<1	>99.9999
	Legionella	CFU/mL	2.2×10^6	<1	>99.9999
	Staphylococcus aureus	CFU/mL	1.7×10^6	<1	>99.9999
	Thermophilic Coliform	MPN/100mL	540	Not detected	100
	Total coliforms	CUF/100mL	1.8×10^6	<1	>99.9999
	Total Colony Count	CFU/mL	1.8×10^6	<1	>99.9999
Viruses					
	MS2 coliphage	pfu/mL	2.1×10^5	<1	>99.999
Industrial Chemicals (PFAS)					
	PFOA	mg/L	5.09	<0.01	>99.8
	PFOS	mg/L	4.88	<0.01	>99.7
Plastics & Plasticizers					
	Bis(2-ethylhexyl) phthalate	mg/L	0.058	<0.002	>96.5
	Bisphenol A	mg/L	2.17	<0.02	>99.0
	DEET (diethyltoluamide)	mg/L	0.565	<0.055	>90.3
	Microplastics	mg/L	10083	<1	>99.99
Pharmaceuticals					
	Amoxicillin	ug/L	5.18	<0.01	>99.8
	Ampicillin	ug/L	3.04	<0.005	>99.8
	Chlortetracycline	mg/L	3.34	<0.005	>99.8
	Ibuprofen	mg/L	0.531	<0.005	>99.0
	Norfloxacin	mg/L	3.09	<0.005	>99.8
	Oxytetracycline	mg/L	3.17	<0.005	>99.8
	Roxithromycin	mg/L	1.31	<0.0025	>99.8
	Sulfadiazine	ug/L	0.544	<0.0002	>99.9
	Tetracycline	mg/L	3.11	<0.005	>99.8
	Triclosan	mg/L	0.527	<0.005	>99.1
Pesticides / Herbicides					
	2,4-Dichlorophenoxyacetic acid (2,4-D)	mg/L	0.159	<0.00015	>99.9
	2,4,6-Trichlorophenol	mg/L	1.37	<0.005	>99.9
	Atrazine	ug/L	2.1	<0.08	>96.1
	Azoxystrobin	mg/L	0.569	<0.005	>99.1
	Bentazone	mg/L	0.167	<0.0005	>99.7
	Carbofuran	mg/L	0.157	<0.000125	>99.9
	Chlorothalonil	mg/L	0.154	<0.0042	>97.3
	Chlorpyrifos	mg/L	0.171	<0.0025	>98.8
	DDT	mg/L	0.127	<0.00002	>99.9
	Deltamethrin	mg/L	0.155	<0.00101	>99.3
	Dichlorvos	mg/L	0.162	<0.004	>97.5
	Dimethoate	mg/L	0.168	<0.00072	>99.5
	Heptachlor	mg/L	0.169	<0.003	>98.2
	Hexachlorobenzene	mg/L	0.147	<0.00025	>99.8
	Lindane (γ-BHC)	mg/L	0.158	<0.005	>96.9
	Malathion	mg/L	0.441	<0.00040	>99.9
	Metolachlor	mg/L	4.43	<0.04	>99.0
	Neonicotinoid	mg/L	255	<2.4	>99.0
	Parathion	mg/L	0.159	<0.0001	>99.9
	Parathion methyl	mg/L	0.388	<0.0030	>99.9
	Pentachlorophenol	mg/L	0.136	<0.00099	>99.2
	Propargite	mg/L	0.558	<0.005	>99.1
	Volatile phenol (as phenol)	mg/L	1.02	<0.002	>99.8
	δ-1,2,3,4,5,6-Hexachlorocyclohexane	ng/L	3.5	<0.3	>91.4
Disinfection byproducts					
	Bromate	mg/L	0.164	<0.005	>96.0
	Bromodichloromethane	mg/L	0.151	<0.000015	>99.9
	Bromoform	mg/L	1.009	<4.1×10^-5	>99.996
	Carbon tetrachloride	mg/L	0.973	<5.6×10^-6	>99.999
	Chloral	mg/L	1.61	<0.001	>99.9
	Chlorate	mg/L	0.166	<0.005	>96.9
	Chlorite	mg/L	0.157	<0.0024	>98.4
	Chloroform	mg/L	1.014	5.566×10^-5	99.995
	Dibromochloromethane	mg/L	0.147	<0.000016	>99.9
	Dichloroacetic acid(DCAA)	mg/L	1.48	<0.002	>98.6
	Total trihalomethanes (TTHMs)	/	0.106	0.0005	99.5
	Trichloroacetic acid(TCAA)	mg/L	1.53	<0.001	>99.9

Category	Test substance	Measurement unit	Measurement after filtration	Measurement before filtration	Calculated removal rate (%)
Metals					
	Aluminum (Al)	mg/L	0.154	<0.012	>92.2
	Antimony (Sb)	mg/L	0.117	<0.0007	>99.9
	Arsenic	µg/L	5179	21.5	99.6
	Barium (Ba)	mg/L	5.08	<0.0003	>99.9
	Beryllium (Be)	mg/L	0.244	<0.0003	>99.9
	Cadmium	µg/L	5141	15.7	99.7
	Chromium (Hexavalent)	mg/L	0.157	<0.004	>97.4
	Copper	µg/L	5458	16.2	99.7
	Iron (Fe)	mg/L	0.152	<0.0009	>99.9
	Lead	µg/L	5480	1.86	>99.9
	Manganese (Mn)	mg/L	0.149	<0.0006	>99.9
	Mercury (Hg)	mg/L	0.156	<0.00007	>99.9
	Molybdenum (Mo)	mg/L	0.156	<0.00006	>99.9
	Nickel (Ni)	mg/L	0.168	<0.001	>99.9
	Selenium (Se)	mg/L	0.161	<0.0001	>99.9
	Zinc (Zn)	mg/L	0.155	<0.0009	>99.9
Volatile Organic Compounds (VOCs) / Industrial Solvents					
	1,1-Dichloroethene	mg/L	0.523	<0.0005	>99.9
	1,1,1-Trichloroethane	mg/L	0.466	<0.001	>99.9
	1,2-Dichlorobenzene	mg/L	0.531	<0.0001	>99.9
	1,2-Dichloroethane	mg/L	0.494	<0.00287	>97.2
	1,4-Dichlorobenzene	mg/L	0.513	<0.0001	>99.9
	2,2-Dichloropropane	mg/L	0.164	<0.0005	>99.6
	Acrylamide	mg/L	0.11	<0.0005	>99.5
	Benzene	mg/L	1.059	<0.001	>99.9
	Cis-1,2-dichloroethene	mg/L	0.505	<0.0005	>99.9
	Ethylbenzene	mg/L	1.525	<0.001	>99.9
	Hexachlorobutadiene	mg/L	0.383	<0.0001	>99.9
	Methylene chloride	mg/L	0.475	<0.0199	>95.9
	Styrene	mg/L	1.624	<0.001	>99.9
	Tetrachloroethene	mg/L	0.561	<0.0001	>99.9
	Toluene	mg/L	1.417	<0.001	>99.9
	Total Trichlorobenzene	mg/L	0.323	<0.0003	>99.9
	Trans-1,2-dichloroethene	mg/L	0.414	<0.0005	>99.9
	Trichloroethene	mg/L	0.505	<0.0001	>99.9
	Trichloroethene	mg/L	0.505	<0.0005	>99.9
	Xylene	mg/L	1.544	<0.001	>99.9
Nutrients					
	Ammonia nitrogen (as N)	mg/L	2.55	<0.025	>99.0
	Nitrate	mg/L	17.9	<0.1	>99.4
	Sulphide	mg/L	2.02	<0.02	>99.0
	Total dissolved solids	mg/L	515	11	>97.8
	Total phosphorus	mg/L	1.96	<0.01	>99.4
Other Inorganics					
	Chloramine	mg/L	2.88	<0.01	>99.6
	Chloride	mg/L	150.7	9.62	>93.6
	Chlorine dioxide	mg/L	2.12	<0.02	>99.0
	Chlorine residue	mg/L	2.04	<0.01	>99.5
	Cyanide	mg/L	2.04	<0.02	>99.0
	Cyanogen chloride	mg/L	0.53	<0.01	>98.1
	Fluoride	mg/L	1.03	<0.1	>90.3
	Formaldehyde	mg/L	9.13	<0.05	>99.4
	Oxygen consumption (Permanganate index,	mg/L	2.06	0.32	84.5
	Sulfate	mg/L	155.4	<0.75	>99.5
	Turbidity	NTU	5.02	0.08	98.4

Aesthetic Indicators				
Chroma	Chroma	55	<5	>90.9
Odor sum	Have a faint odor	No faint odor	Obvious removal effect	
Substance visible to the naked eye	White sediment is visible	No sediment is visible	Obvious removal effect	



Tested by TÜV SÜD.

Filtration performance test data are based on the chemical and microbiological tests executed by TÜV SÜD published in test report 721692548-R1.

- All measured contaminant reduced by this filter are listed.
- Not all contaminants listed may be present in your water.
- Filter does not remove allcontaminants that may be present in tap water.
- Testing was performed under standard laboratory conditions, actual performance may vary.
- Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result) / Influent spiked water test result × 100%.

Powermove Distribution Pty Ltd.
Authorized distributor for Philips Water in Australia.

email: philips.water@powermove.com.au
phone: 03-9358-5999

© 2025 Koninklijke Philips N.V. All rights reserved.
www.philips.com/water

version 14/11/25

For more information visit:
www.philips.com.
au/c-p/AUT9028DG_79

