

Evaluation Tests of Water Purifiers

Japan Food Research Laboratories is an accredited laboratory by Japan Water Purifier Association and registered laboratory of Waterworks Law. We conduct performance testing of water purifiers and water quality testing.

When you want to sell your household water purifiers in Japan, the products should meet the standards listed below.

Household Goods Quality Labeling Law

Food Sanitation Law

Waterworks Law

Testing methods and test items

Relevant law	Testing method	Test item
Household Goods Quality Labeling Law	Japanese Industrial Standard (JIS) S 3201 "Testing methods for household water purifiers"	Filtration flow rate test
		Minimum usable operating water pressure test
		Recovery test (Reverse Osmosis [RO] type only)
		Removal performance test
		Filtering capability test
Food Sanitation Law	"Specifications for Implements, Containers and Packaging", Notification No. 370 (1959) issued by the Ministry of Health and Welfare.	Materials test
		Elution test
Waterworks Law	Notification No. 111 (1997) "Specifications for Materials and Composition of Water Supply Equipment", issued by the Ministry of Health and Welfare. (The test method is described in JIS S 3200 "Equipment for Water Supply Service".)	Hydrostatic test
		Low temperature test
		Water hammer test
		Prevention from back current test
		Destruction by vacuum test
		Durability test
		Effect of water test

The following information/data is required before test will be performed.

■ Household Goods Quality Labeling Law

- (1) Type of water purifier (continuous type, batch operation type, or RO type)
- (2) Filtration flow rate
- (3) Kind of filter and filtration efficiency of the filter

■ Food Sanitation Law

- (1) Kind of material with which water comes into contact

■ Waterworks Law

- (1) Type of water purifier (continuous type, batch operation type, or RO type)
- (2) Filtration flow rate
- (3) Kind of material with which water comes into contact

Labeling Sample under the Household Goods Quality Labeling Law

Example label

■材料の種類	浄水器本体：ABS樹脂 カートリッジ：ポリプロピレン ホース：塩化ビニル樹脂	
■ろ材の種類	活性炭，不織布，中空糸膜	
■ろ過流量	3.0L/分	
■使用可能な最小動水圧	0.01MPa	
■浄水能力		
遊離残留塩素	総ろ過水量 2500L，除去率 80%，JIS S 3201 試験結果	
■ろ材の交換目安		
除去対象物質	1日当たりの使用水量	
	10 L/日	15 L/日
遊離残留塩素	250 日 約 8 ヶ月	150 日 約 5 ヶ月
■使用上の注意	<ul style="list-style-type: none">・水道水の飲用基準に適合した水で使用する旨・ろ材の取換時期の目安は，使用水量，水質，水圧により異なる旨・熱湯を流さない旨・浄水した水は出来るだけ早く使用する旨・夜間など長時間使用しなかった後には，水質悪化のおそれがあるので適切な放流時間をとる旨・凍結の恐れがある場所に設置する場合は，内部を凍結させないように注意する旨	
○△□株式会社，東京都千代田区○○町××番地 電話***-***-****		

Reference: This is a translation of the Japanese label shown in the previous page.

■ Kind of material	Body: ABS resin	
	Cartridge: polypropylene	
	Hose: vinyl chloride	
■ Kind of filter	Active carbon, Nonwoven fabric, Hollow fiber membrane	
■ Filter flow rate	3.0 L/min	
■ Minimum usable operating water pressure	0.01 MPa	
■ Purification capacity	Total filtration of water 2500 L, Removal rate 80 % (Test method: JIS S 3201)	
Free residual chlorine		
■ Indication of filter change frequency	Amount of filtered water per day	
Substances removed	10 L/day	15 L/day
	250 days About 8 months	150 days About 5 months
Free residual chlorine		
■ Cautions	<ul style="list-style-type: none"> • Please use it with water a standard suitable for drinking standard tap water. • The life of the filter cartridge varies according to the amount of water passing through the filter, water quality, and water pressure. • Please do not use hot water. • Please use purified water as soon as possible. • If do not use for a long time, please make sure to discard any water left in it, because water quality may deteriorate. • Be careful not to freeze the inside of it when you install it in locations where water can freeze. 	
○△□ Company, Address: ×-×, ○○-cho, Chiyoda-ku, Tokyo, Phone: ***-***-****		

Note: The substances listed below can be mentioned as "substances removed".

Muddiness, Chloroform, Bromodichloromethane, Dibromochloromethane, Bromoform, Tetrachloroethylene, Trichloroethylene, 1,1,1-Trichloroethane, Total trihalomethane, CAT, 2-MIB, Soluble lead.

If you need additional information, you may check out this site.

Consumer Affairs Agency, Government of Japan

<Quality Labeling Laws of Household Guide>

http://www.caa.go.jp/hinpyo/pdf_data/handbook_e.pdf