SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
P.O. Box 7162
Madison, Wisconsin 53707

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Wisconsin
Department of Commerce

Jim Doyle, Governor
Cory L. Nettles, Secretary

April 1, 2004

THE PROCTOR AND GAMBLE COMPANY
PUR WATER PURIFICATION PRODUCTS, INC.
SUBHA SUBRAMANIAN
8700 MASON-MONTGOMERY RD.
MASON OH 45040

Re: Description: WATER TREATMENT DEVICE-ACTIVATED CARBON
Manufacturer: THE PROCTOR AND GAMBLE COMPANY
Product Name: PUR PLUS
Model Number(s): FM-3000 AND FM-3550 BOTH USING RF-3050 CARTRIDGE
Product File No: 20040120

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of April 2009.

This approval supercedes the approval issued on September 5, 2001 under product file number 20010294.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturers published instructions.

- For buildings not served by a municipal water supply, Department of Natural Resources (DNR) written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 266-3415.

- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 4 of this letter and tables 1 of 4 through 4 of 4.

TABLE 1 OF 4
PRODUCT FILE NUMBER 20040120
HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.7 liters per minute (lpm) [0.7 gallons per minute (gpm)]
Capacity: 378.5 Liters (l) [100 gallons (gals.)]

Tested Contaminant	Influent challenge level μg/l (ppb)
Alachlor	40 ± 10%
Atrazine	9.0 ± 10%
Benzene	15.0 ± 10%
Carbofuran	80 ± 10%
Lindane	0.6 ± 10%
Methoxychlor	300 ± 10%
Methyl *tert*-butyl ether	15.0 ± 20%
Toxaphene	15.0 ± 10%
2,4-D	300 ± 10%
2,4,5-TP (Silvex)	30.0 ± 10%

Other conditions: the contaminant reduction performance data for table 1 was generated by testing conducted in accordance with NSF *International* Standard 53. To comply, the device must reduce the influent Alachlor concentrations such that all effluent samples are ≤ 2.0 μg/l, the device must reduce the influent Atrazine concentrations such that all effluent samples are ≤ 3.0 μg/l; the device must reduce the influent Benzene concentrations such that all effluent samples are ≤ 5.0 μg/l; the device must reduce the influent Carbofuran concentrations such that all effluent samples are ≤ 40 μg/l; the device must reduce the influent Lindane concentrations such that all effluent samples are ≤ 0.2 μg/l; the device must reduce the influent Methoxychlor concentrations such that all effluent samples are ≤ 40 μg/l; the device must reduce the influent methyl *tert* butyl ether concentrations such that all effluent samples are ≤ 5.0 μg/l. the device must reduce the influent Toxaphene concentrations such that all effluent samples are ≤ 3.0 μg/l; the device must reduce the influent 2,4-D concentrations such that all effluent concentrations are ≤ 70μg/l and the device must reduce the influent 2,4,5-TP (Silvex) concentrations such that all effluent concentrations are ≤ 5.0 μg/l.

μg/l = micrograms per liter are equivalent to parts per billion (ppb)
≤ = less than or equal to
± = plus or minus

TABLE 2 OF 4
PRODUCT FILE NUMBER 20040120
HEALTH EFFECTING MICROBIOLOGICAL CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.7 lpm (0.7 gpm)
Capacity: dependent on the type and quantity of particulate matter present in the influent water, the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge Level (#/ml)
3-4 μm particles	≥ 50,000

Other conditions: the contaminant reduction performance data for table 2 was generated by testing conducted in accordance with NSF *International* Standard 53. To comply, the device must reduce at least 99.95 percent of the influent particles 3-4 μm in size qualifying the devices for the reduction of oocysts of Cryptosporidium and Toxoplasma and cysts of Giardia and Entamoeba.

μm = micrometer
#/ml = number per milliliter
≥ = greater than or equal to

TABLE 3 OF 4
PRODUCT FILE NUMBER 20040120
HEALTH EFFECTING INORGANIC CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.7 Lpm (0.7 gpm)
Capacity: 378.5 L (100 gals.) for lead and mercury reduction. For asbestos reduction, dependent on the type and quantity of particulate matter present in the influent water, the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge Level (mg/l)[*, 1]
Asbestos fibers	10^6 to 10^7 F/l
Lead (Pb^{+2}) [2]	0.15 ± 10%
Mercury (Hg^{+2}) [2]	0.006 ± 10%

Other conditions: the contaminant reduction performance data displayed for table 3 was generated by testing conducted in accordance with NSF *International* Standard 53. To qualify for asbestos reduction, the device must reduce the influent asbestos fiber concentrations by ≥ 99%; the asbestos reduction is only for fibers exceeding 10 μm in length. To qualify for lead reduction, the devices must reduce the influent challenge concentrations such that all effluent concentrations are ≤ 10.0 μg/l.

1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)
μm = micrometers
± = plus or minus
F/l = fibers per liter
***** = unless otherwise indicated
2 = metals are tested at pH 6.5 and pH 8.5

TABLE 4 OF 4
PRODUCT FILE NUMBER 20040120
AESTHETICS EFFECTING INORGANIC CONTAMINANT REDUCTION CAPABILITIES

Flow Rate: 2.7 Lpm (0.7 gpm)
Capacity: 378.5 L (100 gals.) for free chlorine reduction performance. For particulate reduction, the capacity is dependent on the type and quantity of particulate matter present in the influent water, the need for maintenance may be indicated by a significant decrease in flow rate.

Tested Contaminant	Influent Challenge Level (mg/l)[*]
Chlorine (free)	2.0 ± 0.2
Particles (0.5 - < 1.0 μm)	≥ 10,000 #/ml

Other conditions: the contaminant reduction performance data displayed for table 4 was generated by testing conducted in accordance with NSF *International* Standard 42. To qualify for free chlorine reduction, the device must reduce the influent free chlorine concentrations so that all effluent concentrations are reduced by ≥ 50%. To qualify for particulate reduction, the device must reduce the influent particulate concentrations by ≥ 85%.

mg/l = milligrams per liter are equivalent to parts per million (ppm)
***** = unless otherwise indicated
± = plus or minus
≥ = greater than or equal to
μm = micrometers
#/ml = particles per milliliter
< = less than

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation that may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
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Safety and Buildings Division
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