



Jim Doyle, Governor
Mary P. Burke, Secretary

May 2, 2007

DURASTILL INCORPORATED
DAVID BILLIARD
4200 NE BIRMINGHAM RD
KANSAS CITY MO 64117

Re: Description: WATER TREATMENT DEVICE-DISTILLATION
Manufacturer: DURASTILL INCORPORATED
Product Name: DURASTILL
Model Number(s): 46A, 46C, 4620, 4640, 4640U AND 4696
Product File No: 20060567

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 May 2012.

This approval supersedes the approval issued on March 20, 2002 under product file number 20060567.

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.
- Where the Department of Natural Resources (DNR) has jurisdiction, a 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.
- A device used to detect increases in the total dissolved solids concentration must be installed on the product water line.
- 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.
- These devices will only reduce the concentration of volatile organic chemicals at water outlets that are served by the devices. There are dermal (skin) absorption and inhalation exposure risks associated with volatile organic chemicals. Therefore, using point-of-use devices such as these will not protect all routes of potential exposure. Potentially hazardous exposures to volatile organic chemicals will remain possible at unprotected outlets, particularly hot water outlets (e.g. bathing, showering, clothes washing or dish washing).

If, by way of reputable water analyses, a water supply is known to contain unsafe levels of volatile organic chemicals, then all the water entering the residence must be treated at the point-of-entry using an approved water treatment device to address all potential routes of exposure.

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 3 of this letter.

**INORGANIC CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20060567
 TABLE 1 OF 2**

Production rate: 46 liters per day (lpd) [12.2 gallons per day (gpd)]

Tested Contaminant	Influent Challenge (mg/l) ¹
Arsenic (As ⁺³)	4.0
Barium (Ba ⁺²)	7.3
Calcium (Ca ⁺²)	107.0
Chloride (Cl ⁻)	181.0
Chlorine (free)	10.0
Trivalent Chromium (Cr ⁺³)	4.0
Copper (Cu ⁺²)	10.0
Fluoride (F ⁻¹)	1.6
Hardness (as CaCO ₃)	356
Iron (Fe ⁺³)	31.8
Magnesium (Mg ⁺²)	3.8
Manganese (Mn ⁺²)	2.0
Nitrate (NO ₃ ⁻)	19.3
Selenium (Se ⁺⁴ and Se ⁺⁶)	4.0
Silver (Ag ⁺¹)	4.0
Sodium (Na ⁺¹)	130
Sulfate (SO ₄ ⁻²)	105
Sulfide (S ⁻¹)	18.2
Zinc (Zn ⁺²)	10.5

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 2 were verified by testing conducted by Kansas City Testing Laboratory. The contaminant compounds were added to deionized water containing no detectable organic matter.

1 = milligrams per liter (mg/l) are equivalent to parts per million (ppm)

**HEALTH EFFECTING ORGANIC CONTAMINANT REDUCTION CAPABILITIES
 PRODUCT FILE NUMBER 20060567
 TABLE 2 OF 2**

Production rate: 46 lpd (12.2 gpd)

Tested Contaminant	Influent Challenge (µg/l) ¹
2, 4-dichlorophenoxyacetic acid	200
Methoxychlor	530

Other Conditions: the contaminant reduction performance capabilities displayed for Table 1 of 2 were verified by testing conducted by Kansas City Testing Laboratory. The contaminant compounds were added to deionized water containing no detectable organic matter.

1 = micrograms per liter (µg/l) are equivalent to parts per billion (ppb)

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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
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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GWS:gws